

ANNUAL REPORT  
OF  
**THE MINES BRANCH**  
OF THE  
PROVINCE OF ALBERTA  
**1928**



EDMONTON:  
PRINTED BY W. D. McLEAN, KING'S PRINTER  
1929



EDMONTON, FEBRUARY 27, 1929.

TO THE HON. J. R. BROWNLEE,  
*President of the Executive Council.*

SIR,—

I herewith submit the report of The Mines Branch for the year ending December 31, 1928.

Respectfully submitted,

ANDREW A. MILLAR,  
*Chief Inspector of Mines.*



## ANNUAL REPORT OF THE MINES BRANCH FOR THE YEAR ENDING DECEMBER 31, 1928.

(ANDREW A. MILLAR, *Chief Inspector*)

There were produced during the year a total of 7,334,179 tons of coal, of which 1,409,475 tons were sold for consumption in the Province of Alberta, 2,422,729 tons in other Provinces in Canada, 52,265 tons for consumption in the United States, 3,054,239 tons were sold to railroad companies, 22,882 tons were used making briquettes, 240,431 tons were used under colliery boilers, 7,106 tons were used by colliery railroads, 58,039 tons were put to stock, and 119,998 tons were put on the waste heap.

In addition to the coal mined, 53,768 tons of shale were mined from which 21,375,961 bricks were made; during the year there were also 140 tons of bituminous sands produced.

It will be noted that the production for the year was 397,399 tons greater than for the year 1927, also that it was the largest output ever produced in the Province.

There were in operation during the year 1928, 1 shale mine and 2 open pits producing shale for brick-making; also 284 coal mines. Of the latter 14 were opened, 9 re-opened, and 42 abandoned. In addition to the mines abandoned, there were 34 closed temporarily, leaving 247 mines in operation at December 31, 1928.

Several changes took place in the staff of The Mines Branch during the year. Mr. John T. Stirling, who had been Chief Inspector of Mines since 1910, resigned this position on March 31st, owing to ill-health. I was appointed to the position on November 1, 1928.

There were two changes in the staff of District Inspectors. On February 15th, Mr. John Crawford resigned to take the position as manager with the McGillivray Creek Coal & Coke Co., Ltd., at Coleman, being succeeded by Mr. W. G. Heeley, with headquarters at Blairmore. On September 17th, Mr. M. Cranston, with headquarters at Drumheller, resigned to accept the position as manager at the Murray Collieries, Ltd., East Coulee, being succeeded by Mr. A. B. Hunter, with headquarters at Drumheller.

In addition to the regular inspections of mines, all serious and fatal accidents have been investigated, and all inquests have been attended.

Examinations for certificates of competency as coal miners have been conducted throughout the Province, there having been 2,466 certificates issued during the year, making a total of 9,946.

In all bituminous mines that are dry and dusty, rock-dusting with crushed limestone has been continuously carried on.

Samples of mine air have been taken at intervals in different mines by the inspectors in addition to tests made by Burrell Gas detectors. These samples were forwarded to the Department of Mines, Ottawa, for analysis.

Samples of coal dust have been collected and forwarded to the Scientific and Industrial Research Council of Alberta, for analysis for combustible contents, also for screen tests for fineness. Samples

of rock dust have also been collected and forwarded and tested for silica content.

In addition, samples of coal have been collected and forwarded to the Council for analysis.

There has been a considerable increase in the use of purchased electrical power by the mines in the Province, this having now reached a total of 22,416,009 k.w. hours, distributed as follows:

There were used in mines in the Edmonton Area, 1,032,460 k.w. hours, which power was purchased from the City of Edmonton. In the Crow's Nest Area, there were 18,211,400 k.w. hours used, the power being purchased from the East Kootenay Power Co., Ltd., which power is furnished from their hydro-electric plant located at Bull River, B.C. In the Drumheller area, there were 2,559,443 k.w. hours used, which power was purchased from the Union Power Co., Ltd., of Drumheller. This plant has also supplied 156,000 k.w. hours to mines in the Carbon area, and 13,600 hours to mines at Big Valley. There were 367,266 k.w. hours purchased from the City of Lethbridge and used by mines in the Lethbridge area. In the Redcliff area 76,420 k.w. hours were used, which power was purchased from the City of Medicine Hat.

There were 55 prosecutions instituted for contraventions of the provisions of The Mines Act, 49 of which were successful, 4 being unsuccessful and 2 withdrawn, the one as the defendant had left the district, and the other as he had been convicted on another charge the same day.

There were 11,473 persons employed during the month of December, 1928, which was a decrease of 156 from the number employed during the month of December, 1927.

# ANNUAL PRODUCTION OF COAL FROM MINES IN THE PROVINCE OF ALBERTA

The following table is taken from a report prepared by the Dominion Bureau of Statistics and published in "Coal Statistics for Canada" for the year 1927:

Calendar Year	Short tons	Value
1886 .....	43,220	\$ 81,112
1887 .....	74,152	157,577
1888 .....	115,124	183,354
1889 .....	97,364	179,640
1890 .....	128,753	198,298
1891 .....	174,131	437,243
1892 .....	178,970	460,605
1893 .....	230,070	586,260
1894 .....	184,940	473,827
1895 .....	169,885	382,526
1896 .....	209,162	581,832
1897 .....	242,163	630,408
1898 .....	315,088	787,720
1899 .....	309,600	774,000
1900 .....	311,450	778,625
1901 .....	340,275	850,687
1902 .....	403,819	960,601
1903 .....	495,893	1,117,541
1904 .....	661,732	1,404,524
1905 .....	931,917	1,993,915
1906 .....	1,246,360	2,614,762
1907 .....	1,591,579	3,836,286
1908 .....	1,685,661	4,127,311
1909 .....	1,994,741	4,838,109
1910 .....	2,894,469	7,065,736
1911 .....	1,511,036	3,979,264
1912 .....	3,240,577	8,113,525
1913 .....	4,014,755	10,418,941
1914 .....	3,683,015	9,350,392
1915 .....	3,360,818	8,283,079
1916 .....	4,559,054	11,386,577
1917 .....	4,736,368	14,153,685
1918 .....	5,972,816	20,537,287
1919 .....	4,933,660	18,205,205
1920 .....	6,907,765	30,186,933
1921 .....	5,909,217	27,246,514
1922 .....	5,990,911	24,351,913
1923 .....	6,854,397	28,018,303
1924 .....	5,189,729	18,884,318
1925 .....	5,869,031	20,021,484
1926 .....	6,503,705	20,886,103
1927 .....	6,934,162	21,982,058
Total.....	101,200,534	\$331,508,080

NOTE: Production quantities and values prior to 1919 refer to sales and colliery consumption. For 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926 and 1927, mine output figures are given.

## THE MINES BRANCH

## ANNUAL CONSUMPTION OF COAL IN THE DOMINION OF CANADA, 1903-1927.

The following table is taken from the report issued by the Dominion Bureau of Statistics for the year 1927:

Calendar Year	Canadian*		Imported Coal Entered for Consumption						Total	Per Capita
	Short tons	%	From U.S.A.		From Great Britain		Total			
			Short tons	%	Short tons	%	Short tons	%		
1903	6,005,735	52.2					5,491,870	47.8	11,497,605	2,005
1904	6,597,183	49.2					6,909,651	50.8	13,606,834	2,346
1905	7,032,661	48.9					7,343,880	51.1	14,376,541	2,362
1906	7,927,560	51.7					7,998,906	48.3	15,926,466	2,425
1907	8,617,352	45.0					10,549,503	55.0	19,166,855	2,947
1908	9,156,478	47.3					10,195,424	52.7	19,351,902	2,920
1909	8,913,376	47.9					9,711,326	52.1	18,625,202	2,682
1910	10,532,103	50.2					10,438,123	49.8	20,970,326	2,960
1911	9,822,749	40.5					14,424,949	59.5	24,247,698	3,657
1912	12,855,696	46.0					14,549,104	54.0	26,934,800	3,657
1913	13,450,158	42.6					18,132,387	57.4	31,582,545	4,196
1914	12,214,403	45.5					14,637,920	54.5	26,852,323	3,490
1915	11,500,480	48.1					12,406,912	51.9	23,906,692	3,041
1916	12,348,036	41.3					17,517,320	58.7	29,865,856	3,717
1917	12,313,603	37.2					20,810,132	62.8	33,123,735	4,049
1918	13,150,731	37.8					21,611,101	62.2	34,771,832	4,175
1919	11,611,168	40.3			344		17,236,269†	59.7	28,847,437	3,402
1920	14,925,566	42.9					18,668,741†	57.1	33,694,307	3,788
1921	12,715,734	41.1					18,258,387†	58.9	30,974,121	3,524
1922	13,044,352	50.2				3.0	12,962,189†	49.8	26,006,541	2,909
1923	15,070,982	41.8					17,575,570	55.7	36,038,938	3,968
1924	12,529,358	42.8				1.5	20,967,971†	58.2	29,243,501	3,170
1925	12,125,260	42.6				2.1	16,714,143†	57.2	28,457,261	3,029
1926	15,449,531	48.3				2.1	16,331,971†	57.4	32,015,386	3,389
1927	16,313,531	46.6				0.02	18,565,555†	51.7	34,994,363	3,676
							18,680,332	53.4		

\*The sum of Canadian coal mine sales, colliery consumption, coal supplied to employees and coal used in making coke, etc., less the tonnage of coal exported.

†Includes small tonnages from other countries other than Great Britain and the United States.



The following tables are taken from a report prepared by the Dominion Bureau of Statistics and published in "Coal Statistics for Canada."

IMPORTS OF ANTHRACITE COAL INTO ONTARIO, MANITOBA, SASKATCHEWAN AND ALBERTA BY KINDS AND GRADES  
AND BY PROVINCES FROM 1923 TO 1928 INCLUSIVE:

Destination	1923			1924			1925			1926			1927			1928		
	Egg & Nut, etc.	Dust		Egg & Nut, etc.	Dust		Egg & Nut, etc.	Dust		Egg & Nut, etc.	Dust		Egg & Nut, etc.	Dust		Egg & Nut, etc.	Dust	
Ontario .....	2,999,919	142,603		2,615,688	65,310		2,169,530	84,469		2,404,173	115,311		*2,072,157	130,892		.....	.....	
Manitoba .....	54,290	1,566		30,324	3,898		28,182	6,214		13,981	4,009		12,752	3,133		.....	.....	
Saskatchewan .....	2,125	166		1,687	33		702	.....		464	.....		484	.....		.....	.....	
Alberta .....	.....	.....		.....	.....		30	.....		.....	.....		.....	.....		.....	.....	
Total.....	3,056,334	144,335		2,647,699	69,241		2,198,494	90,683		2,418,618	119,320		2,085,393	133,825		.....	.....	

\*Includes 10,494 tons anthracite coal imported from Great Britain.

IMPORTS OF BITUMINOUS COAL

Destination	1923			1924			1925			1926			1927			1928		
	Egg & Nut, etc.	Dust		Egg & Nut, etc.	Dust		Egg & Nut, etc.	Dust		Egg & Nut, etc.	Dust		Egg & Nut, etc.	Dust		Egg & Nut, etc.	Dust	
Ontario .....	14,068,002	10,737,848		10,737,848	9,884,710		9,884,710	147,758		11,696,108	13,158,927		13,158,927	12,318,948		.....	.....	
Manitoba .....	112,134	143,609		143,609	147,758		147,758	1,732		149,374	142,960		142,960	97,002		.....	.....	
Saskatchewan .....	1,607	2,561		2,561	1,732		1,732	1,175		1,887	2,441		2,441	2,536		.....	.....	
Alberta .....	1,110	1,209		1,209	1,175		1,175	.....		1,515	1,324		1,324	1,360		.....	.....	
Total.....	14,182,853	10,885,227		10,885,227	10,085,375		10,085,375	.....		11,848,884	13,305,252		13,305,252	12,419,846		.....	.....	

Canada also imported 10 tons of lignite coal into Nova Scotia and 18,358 tons of lignite coal into British Columbia in the year 1925.

Canada also imported 10,965 tons of lignite coal into British Columbia in the year 1926.

The following tables show the quantity of coal in tons, entered for consumption for each year since 1919 through ports in the Provinces of Manitoba, Saskatchewan, Ontario, British Columbia and Alberta:

### BITUMINOUS COAL

Year	Central Ontario	Port Arthur	Fort Frances	Fort William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Total Canada
1919	7,641,682	483,991	59,253	1,063,793	9,248,719	62,746	1,406	1,131	6,700	12,010,490
1920	10,261,237	571,870	111,957	1,391,709	12,336,903	48,547	535	607	13,128	15,902,632
1921	8,605,872	659,763	127,956	1,316,155	10,709,746	76,833	2,127	1,820	17,081	13,536,350
1922	7,424,171	445,019	68,082	1,517,250	9,454,522	74,848	1,484	1,147	13,966	11,563,467
1923	11,621,859	619,037	95,439	1,731,667	14,068,002	112,134	1,607	1,110	17,919	17,517,108
1924	8,763,676	403,388	70,259	1,500,525	10,738,748	143,609	4,422	1,209	25,049	12,619,082
1925	9,100,462	286,984	81,173	1,497,264	10,967,983	147,758	1,732	1,175	40,286	13,015,323
1926	10,531,095	199,908	83,182	955,105	11,696,101	149,374	1,887	1,515	32,992	13,802,342
1927	11,572,678	221,694	90,864	1,273,691	13,158,927	142,860	2,141	1,324	22,648(a)	15,178,640(b)
1928	10,539,408	194,718	103,594	1,481,228	12,318,948	97,002	2,536	1,360	18,682(a)	13,966,183(b)

### ANTHRACITE COAL

Year	Central Ontario	Port Arthur	Fort Frances	Fort William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Total Canada
1919	2,977,913	119,234	559	346,442	3,444,148	12,906	.....	66	136	4,972,383
1920	2,943,134	69,206	2,648	226,476	3,241,464	17,509	206	517	75	4,912,364
1921	2,809,189	62,782	138	198,108	3,070,217	33,473	254	66	251	4,567,370
1922	1,886,924	21,507	12	36,018	1,944,461	14,715	231	.....	1,251	2,693,957
1923	3,061,779	28,229	429	54,329	3,144,766	55,856	2,291	.....	1,74	5,167,881
1924	2,599,568	4,775	237	84,513	2,689,093	34,222	1,720	.....	687	4,183,594
1925	2,203,281	37	170	50,731	2,254,049	34,396	1,702	30	246	3,798,744
1926	2,458,674	.....	56	60,810	2,519,494	17,990	464	.....	5,202	4,242,382
1927	2,123,515	.....	51	79,283	2,202,849	15,885	484	.....	8,812	4,063,619(e)
1928	2,179,022	.....	42	57,494	2,236,558	10,130	579	.....	2,241	3,737,333(c)

NOTE: Besides the anthracite and bituminous coal imported, there were 2,331 tons of lignite coal imported into British Columbia from the United States during 1923.

During 1924 there were 139 tons of lignite coal imported from the United States into Saskatchewan and 25,763 tons imported from the United States into British Columbia, making a total of 25,902 tons of lignite coal imported into Canada from the United States.

(a) Includes 2 tons imported in March, 1 ton in May, 1 ton in June and 4 tons in August into Yukon Territory during 1927, and 2 tons in March, 1 ton in May, 1 ton in June, 30 tons in July and 6 tons in October during 1928.

(b) Includes 140,309 tons bituminous coal from Great Britain, also 323 tons of bituminous coal from Japan during 1927, and 144,145 tons of bituminous coal from Great Britain and 2 tons of bituminous coal from Newfoundland during 1928.

(c) Includes 526,467 tons anthracite coal imported from Great Britain, 1,102 tons from the Netherlands, 328 tons from British South Africa, 1 ton from Belgium and 6,204 tons from Russia.

(d) Includes 40 tons bituminous coal imported into the Yukon Territory during 1928.

During 1928 there were 60 tons of lignite coal imported from the United States into Saskatchewan and 10,754 tons were imported from the United States into British Columbia, making a total of 10,814 tons of lignite coal imported into Canada from the United States.

The above tables have been revised on information received from the Dominion Bureau of Statistics, Ottawa.

(e) Includes 788,235 tons of anthracite coal imported from Great Britain, 5,155 tons of anthracite coal from the Netherlands also 4,818 tons of anthracite coal from Germany during 1927.

During 1927 British Columbia also imported 10,829 tons of lignite coal from the United States.

The following table shows the quantity of coke imported into Canada during the years 1926, 1927 and 1928 through ports in the Provinces, compiled from information received from the Dominion Bureau of Statistics:

Province	1926	1927	1928
Prince Edward Island .....	27	54	24
Nova Scotia .....	5,825	5,817	12,156
New Brunswick .....	1,458	1,338	1,437
Quebec .....	93,648	97,859	115,347
Ontario .....	869,000	649,165	912,794
Manitoba .....	16,381	16,055	15,359
Saskatchewan .....	.....	.....	20
Alberta .....	.....	.....	.....
British Columbia .....	1,695	1,947	1,744
Total .....	988,034	772,235	1,058,881

## THE MINES BRANCH

The following tables show quantities in tons of coal entered for consumption for each month during the year 1928, through ports in the Provinces of Manitoba, Saskatchewan, Alberta, British Columbia and Ontario, compiled from information received from the Dominion Bureau of Statistics:

## BITUMINOUS COAL

Month	Central Ontario	Port Arthur	Fort Frances	Fort William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Total Man., Sask., Alta., B.C., and Yukon	Total Canada
January	675,939	100	12,364	.....	688,403	24,621	74	53	1,076	25,824	766,782
February	639,520	68	8,030	.....	647,618	16,947	177	36	1,641	18,801	729,727
March	783,986	70	11,472	.....	795,528	16,416	241	289	4,171	21,117	883,377
April	419,477	75	2,908	.....	422,460	2,775	189	92	798	3,854	474,326
May	769,701	473	5,739	53,030	828,943	5,049	437	117	1,133	6,786	1,003,773
June	917,327	4,829	7,793	172,841	1,103,390	3,122	159	141	1,244	4,666	1,283,582
July	859,113	20,799	5,350	188,317	1,073,579	4,149	505	178	1,244	6,076	1,235,792
August	1,154,496	85,568	6,258	251,505	1,497,827	3,819	301	115	1,640	5,375	1,684,596
September	1,047,050	62,871	5,438	224,061	1,339,420	5,063	280	145	1,574	7,062	1,530,283
October	1,190,969	59	15,252	230,473	1,436,763	5,258	35	117	880	6,290	1,616,422
November	1,057,115	19,721	10,061	211,033	1,297,930	4,881	72	38	1,559	6,550	1,470,583
December	1,024,115	85	12,929	149,968	1,187,097	5,402	66	39	1,722	7,229	1,286,390
Total.....	10,539,408	194,718	103,594	1,431,228	12,318,943	97,002	2,536	1,350	18,682(a)	119,580	13,966,183(b)

(a) Includes 2 tons imported in March, 1 ton in May, 1 ton in June, 30 tons in July and 6 tons in October into the Yukon Territory.

(b) Includes 144,145 tons bituminous coal from Great Britain also 2 tons bituminous coal from Newfoundland.

During 1928 there were 60 tons of lignite coal imported from the United States into Saskatchewan and 10,754 tons were imported from the United States into British Columbia, making a total of 10,814 tons of lignite coal imported into Canada from the United States.

## ANTHRACITE COAL

January .....	179,049	.....	.....	179,049	1,605	48	.....	.....	.....	1,653	240,786
February .....	187,781	.....	.....	187,783	620	.....	.....	.....	.....	620	233,959
March .....	186,412	.....	.....	186,412	473	.....	.....	.....	.....	2,393	253,422
April .....	197,347	.....	.....	97,347	120	.....	.....	.....	1,920	120	131,683
May .....	173,193	.....	.....	173,193	185	.....	.....	.....	.....	185	310,808
June .....	176,416	.....	.....	181,111	454	.....	.....	.....	21	475	316,320
July .....	107,999	.....	.....	111,116	371	.....	.....	.....	.....	371	257,175
August .....	148,411	.....	.....	155,927	1,121	.....	.....	.....	.....	1,121	324,456
September .....	197,555	.....	.....	201,080	1,389	141	.....	.....	.....	1,530	394,718
October .....	260,434	.....	.....	273,508	1,084	186	.....	.....	.....	1,220	474,542
November .....	236,740	.....	.....	248,762	1,835	161	.....	.....	.....	1,796	418,212
December .....	241,685	.....	.....	253,922	1,123	43	.....	.....	.....	1,466	380,252
Total.....	2,179,022	.....	.....	2,236,558	10,130	579	.....	.....	2,241	12,950	3,737,333(c)

(c) Includes 526,467 tons of anthracite coal imported from Great Britain, 1,102 tons from the Netherlands, 328 tons from British South Africa, 1 ton from Belgium and 6,204 tons from Russia.

## TOTAL IMPORTATIONS, 1928

Bituminous ....	10,539,408	194,718	103,594	1,481,228	12,318,948	97,002	2,536	.....	1,360	18,682(d)	119,580	13,966,133(d)
Anthracite .....	2,179,022	.....	42	57,494	2,236,558	10,130	579	.....	.....	2,241	12,950	3,737,333
Total.....	12,718,430	194,718	103,636	1,538,722	14,555,506	107,132	3,115	.....	1,360	20,923	132,530	17,703,516

(d) Includes 40 tons bituminous coal imported into the Yukon Territory.

## MINERAL PRODUCTION OF ALBERTA, 1927 AND 1928

Prepared in the Mining, Metallurgical &amp; Chemical Branch, Ottawa, Canada.

	1927		*1928	
	Quantity	Value	Quantity	Value
Gold, fine, ounces .....	42	\$ 868	68	\$ 1,406
Silver, fine, ounces .....	4	3	7	4
Bituminous sands, tons..	2,706	10,824	94	374
Coal, tons .....	6,934,162	21,982,058	7,335,489	23,517,988
Natural gas, M. cu. ft...	13,434,621	3,586,533	14,337,115	3,391,212
Petroleum, Brls. ....	318,741	1,185,948	488,268	1,787,807
Salt, tons .....	100	1,300	.....	.....
Clay products and other structural materials:				
Cement, Brls. ....	601,699	1,303,880	834,067	1,732,582
Clay products .....	.....	889,358	.....	1,486,860
Lime, tons .....	4,571	46,947	6,680	69,588
Sand and gravel, tons	1,392,752	293,674	1,490,644	359,228
Stone, tons .....	3,367	7,830	4,222	20,732
Total.....	.....	\$29,309,223	.....	\$32,367,781

\*Subject to revision.

The following table gives particulars with reference to the coal mining industry in the Province of Alberta during the year ending December 31, 1928.

## SUMMARY OF STATISTICS

Number of short tons of coal produced .....	7,334,179
Number of short tons of Briquettes produced .....	24,768
Number of short tons of Coke produced .....	.....
Number of short tons of Shale produced .....	53,403
Number of Bricks sold .....	21,257,336
Number of Coal Mines in operation during the year .....	284
Number of Shale mines in operation during the year .....	1
Number of Shale pits in operation during the year .....	2
Number of mines opened during the year .....	14
Number of mines re-opened during the year .....	19
Number of mines abandoned during the year .....	42
Number of mines closed but not abandoned .....	34
Number of mines in operation at December 31, 1928 .....	247
148 mines or 52.04% of the total operating produced 0.81% of the output.	
60 mines or 21.11% of the total operating produced 1.73% of the output.	
11 mines or 3.88% of the total operating produced 1.11% of the output.	
29 mines or 10.29% of the total operating produced 10.72% of the output.	
13 mines or 4.58% of the total operating produced 13.12% of the output.	
11 mines or 3.88% of the total operating produced 20.51% of the output.	
5 mines or 1.76% of the total operating produced 17.06% of the output.	
6 mines or 2.11% of the total operating produced 27.65% of the output.	
1 mine or .35% of the total operating produced 7.40% of the output.	
Average number of persons employed below ground .....	6,625
Average number of persons employed above ground .....	2,871
Number of separate accidents causing loss of life.....	27
Number of deaths caused by accidents above ground .....	3
Number of deaths caused by accidents below ground .....	25
Number of serious accidents above ground .....	5
Number of serious accidents below ground .....	66
Number of slight accidents above ground .....	31
Number of slight accidents below ground .....	91
Number of persons prosecuted under The Mines Act.....	55
Number of provisional certificates (overmen) issued in 1928....	198
Number of Certificates of Competency as Coal Miners issued in 1928 .....	2,466
Number of Third Class Certificates issued in 1928.....	41
Number of Second Class Certificates issued in 1928 .....	7
Number of First Class Certificates issued in 1928 .....	3
Number of Mine Surveyors' Certificates issued in 1928.....	.....
Total number of Third Class Certificates issued to Dec. 31, 1928 .....	994
Total number of Second Class Certificates issued to Dec. 31, 1928 .....	380
Total number of First Class Certificates issued to Dec. 31, 1928 .....	223
Total number of Mine Surveyors' Certificates issued to Dec. 31, 1928 .....	179
Total number of Interchange of First Class Certificates issued to December 31, 1928 .....	4
Total number of Certificates of Competency as Coal Miners issued to December 31, 1928 .....	9,946

The following table gives particulars of work done at the Shale Mines in the Province.  
OUTPUT OF SHALE IN TONS OF 2,000 LBS., USED FOR MAKING BRICKS, 53,403.

AVERAGE NUMBER OF DAYS WORKED													
Area	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total Average
Redcliff .....	24	25	26	24	24	24	26	26	19	26	24	23	291
NUMBER OF MEN EMPLOYED IN SHALE MINES													
Redcliff .....	51	51	52	91	91	94	101	109	111	100	95	91	86
Mine Timber used (linear feet)..... 13,400      Number of shots fired (fuse) ..... 11,273													
Explosives used—40 % Dynamite (lbs.)..... 11,873      Number of miss-shots ..... 1													
BRICKS SOLD FOR USE IN:													
Alberta	British Columbia		Manitoba		Saskatchewan		Ontario		United States		Total		
7,991,472	1,894,707		1,193,633		10,075,524		63,000		39,000		21,257,386		



In the following tables the short ton of 2,000 lbs. is used in all cases:

Year	Output in tons for N.W.T. (Alta. & Sask.)	Output in tons Alberta
1901 .....	346,649	.....
1902 .....	510,674	.....
1903 .....	622,939	.....
1904 .....	782,931	.....
1905 .....	.....	811,228
1906 .....	.....	1,385,000
1907 .....	.....	1,834,745
1908 .....	.....	1,845,000
1909 .....	.....	2,174,329
1910 .....	.....	3,036,757
1911 .....	.....	1,694,564
1912 .....	.....	3,446,349
1913 .....	.....	4,306,346
1914 .....	.....	3,821,739
1915 .....	.....	3,434,891
1916 .....	.....	4,648,604
1917 .....	.....	4,863,414
1918 .....	.....	6,148,620
1919 .....	.....	5,022,412
1920 .....	.....	6,908,923
1921 .....	.....	5,937,195
1922 .....	.....	5,976,432
1923 .....	.....	6,866,923
1924 .....	.....	5,203,713
1925 .....	.....	5,883,394
1926 .....	.....	6,508,908
1927 .....	.....	6,936,780
1928 .....	.....	7,334,179

## THE MINES BRANCH

CLASSIFICATION OF OUTPUT DURING THE YEARS 1901 TO 1928 INCLUSIVE

Year	Domestic	Domestic and Bitu- minous	Sub-Bitu- minous	Bituminous	Anthracite	Coal used in coke production	Briquettes	Coke
*1901	.....	331,907	.....	.....	14,742	.....	.....	.....
*1902	.....	494,087	.....	.....	16,587	.....	.....	.....
*1903	.....	617,754	.....	.....	5,185	.....	.....	.....
*1904	.....	759,568	.....	.....	23,363	.....	.....	.....
*1905	.....	972,686	.....	.....	43,653	.....	.....	46,640
1906	602,780	.....	.....	545,523	235,597	71,292	.....	69,844
1907	639,335	.....	.....	939,295	256,115	112,387	49,585	73,782
1908	584,334	.....	.....	1,001,571	249,095	128,397	36,281	75,657
1909	763,673	.....	.....	1,197,399	213,955	148,104	89,785	87,812
1910	878,011	.....	.....	1,896,361	261,786	196,249	108,966	121,578
1911	964,700	.....	.....	1,649,745	301,119	161,591	48,200	35,984
1912	1,341,389	.....	.....	1,926,371	178,589	170,318	90,000	105,984
1913	1,763,225	.....	.....	2,374,401	168,720	104,012	130,881	65,187
1914	1,697,401	.....	.....	1,953,367	170,971	44,249	109,982	29,058
1915	1,682,922	.....	.....	1,626,337	155,732	38,578	83,180	23,326
1916	2,172,801	.....	.....	2,335,359	140,544	67,105	107,359	41,550
1917	2,537,829	.....	.....	2,206,868	118,717	51,905	93,818	31,830
1918	3,035,061	.....	.....	2,982,334	131,225	53,462	100,470	32,568
1919	2,611,009	.....	.....	2,325,787	85,616	.....	70,083	.....
1920	3,359,309	.....	.....	3,419,021	130,594	.....	101,593	.....
1921	2,943,141	.....	.....	2,897,380	96,674	.....	62,466	.....
1922	3,086,669	.....	635,073	2,214,273	40,417	.....	33,663	.....
1923	3,161,741	.....	459,869	3,245,313	107	.....	39,638	.....
1924	3,096,660	.....	585,765	1,521,288	.....	.....	.....	.....
1925	3,156,359	.....	581,835	2,145,200	.....	.....	791	.....
1926	3,160,029	.....	490,371	2,858,508	.....	.....	11,381	.....
1927	3,357,171	.....	595,190	2,984,419	.....	287	20,649	173
1928	3,378,200	.....	740,498	3,215,481	.....	.....	24,768	.....

\*Includes outputs from Alberta and Saskatchewan. Previous to 1922 Sub-Bituminous was included in Bituminous Coal.

During the year 1909 a strike affecting all the larger mines in the Province lasted for a period of three months.  
 During the year 1911 a strike affecting all the larger mines in the Province lasted for a period of eight months.  
 During the year 1917 a strike affecting all the larger mines in the Province lasted for a period of three months.  
 During the year 1919 a strike affecting all the larger mines in the Province lasted for a period of three months.  
 During the year 1922 a strike affecting all the larger mines in the Province lasted for a period of five months.  
 During the year 1924 a strike affecting all the larger mines in the Province lasted for a period of six and a half months.

## Total output of COAL and BRIQUETTES disposed of during 1928:

	Sold for Consumption in:						Total Sales	Used under Colliery Boilers	Colliery R.R.	Used making Briquettes	Put to Stock	Put to Waste	Lifted from Stock	Total output for year including put to stock and waste but not lifted from stock
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States								
Domestic .....	1,226,261	128,881	1,339,620	457,865	31,332	33,354	3,227,313	115,175	1,136	.....	33,051	33,832	32,307	3,378,200
Sub-Bituminous .....	70,213	39,969	84,459	96,831	12,851	1,038	347,732	653,123	3,825	.....	3,586	58,210	1,812	740,498
Bituminous .....	113,001	93,348	87,052	40,429	82	17,873	2,706,507	101,690	2,145	22,882	21,402	27,956	18,866	3,215,481
Total .....	1,409,475	262,198	1,511,141	605,125	44,265	52,265	3,054,239	6,938,708	7,106	22,882	58,039	119,998	52,985	7,334,179
Briquettes .....	2,771	9,410	5,654	3,246	79	33	3,575	24,768	.....	.....	.....	.....	.....	24,768

## Disposed of during 1927:

	Sold for Consumption in:						Total Sales	Used under Colliery Boilers	Colliery R.R.	Used making Briquettes	Used making Coke	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output for year including put to stock and waste but not lifted from stock
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States										
Domestic .....	1,311,576	102,577	1,268,492	456,031	20,800	28,368	3,187,844	128,149	1,107	.....	.....	26,807	44,129	29,570	2,295	3,357,171
Sub-Bituminous .....	61,427	33,104	72,444	76,064	1,880	535	293,513	538,967	19,787	4,480	4,341	32,449	4,384	.....	.....	595,190
Bituminous .....	135,086	51,347	86,968	80,447	.....	16,257	2,466,252	2,836,357	99,629	2,677	13,012	25,296	15,585	.....	.....	2,984,419
Total .....	1,508,089	187,028	1,427,904	612,542	22,680	45,160	2,759,765	6,563,168	248,565	8,264	287	44,160	105,374	50,389	2,295	6,936,780
Briquettes .....	2,521	6,686	4,451	3,521	35	.....	3,470	20,649	.....	.....	.....	.....	.....	.....	.....	20,649
Coke .....	.....	.....	51	87	35	.....	.....	173	.....	.....	.....	22	.....	22	.....	173

## THE MINES BRANCH

How total output of Coal from the Province was disposed of:  
DOMESTIC

Areas	SOLD FOR CONSUMPTION IN:						Used by R.R.	Put to Stock	Put to Waste	Lifted from Stock	Total output for year including put to stock and waste but not lifted from stock
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States					
Ardley .....	5,147	60	860	33	.....	.....	.....	70	213	.....	6,725
Big Valley .....	6,837	.....	655	.....	.....	.....	.....	.....	107	.....	9,089
Brooks .....	8,866	.....	.....	.....	.....	.....	.....	.....	.....	.....	5,668
Camrose .....	38,394	.....	7,286	272	34	97	.....	.....	50	.....	43,905
Carbon .....	59,470	1,422	12,459	29,668	878	34	.....	652	2,821	501	110,288
Castor .....	32,640	.....	45	.....	.....	.....	.....	.....	1,315	.....	34,100
Champion .....	8,692	.....	.....	.....	.....	.....	.....	.....	83	.....	8,755
Drumheller .....	314,665	57,272	741,177	319,602	22,465	5,986	.....	3,260	4,824	5,271	1,487,483
Edmonton .....	403,106	263	37,521	7,767	941	32	.....	264	872	74	452,611
Gleichen .....	3,259	.....	.....	.....	.....	.....	.....	.....	30	.....	3,289
Halcourt .....	606	.....	.....	.....	.....	.....	.....	.....	.....	.....	636
Lethbridge .....	198,410	47,737	412,089	38,620	4,145	16,751	.....	23,611	20,104	21,639	795,866
Magrath .....	598	.....	.....	.....	.....	.....	.....	.....	.....	.....	598
Milk River .....	1,013	.....	.....	.....	.....	.....	.....	.....	91	.....	1,104
Pakowki .....	1,705	.....	.....	.....	.....	.....	.....	.....	212	.....	1,917
Pembina .....	67,876	19,150	28,917	28,719	2,324	.....	.....	5,136	875	4,747	158,907
Redcliff .....	10,092	78	14,102	724	.....	35	.....	.....	338	.....	25,697
Sheerness .....	18,820	.....	1,251	.....	.....	20,071	.....	.....	860	.....	22,672
Taber .....	15,030	2,899	13,410	13,508	545	10,419	.....	.....	928	75	58,950
Tofield .....	36,491	.....	79,848	28,952	.....	145,291	.....	.....	118	.....	149,012
Wetaskiwin .....	109	.....	.....	.....	.....	109	.....	28	22	.....	159
Whitecourt .....	116	.....	.....	.....	.....	116	.....	.....	3	.....	119
No Area .....	419	.....	.....	.....	.....	419	.....	.....	186	.....	605
Total .....	1,226,261	128,881	1,339,620	467,865	81,332	33,854	115,175	33,051	133,832	32,307	3,378,200



How total output of COAL from the Province was disposed of by months during 1928:

Months	SOLD FOR CONSUMPTION IN:						Used under Colliery Boilers	Used by R.R.	Used making Briquettes	Used making Coke	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output for Year including put to stock and waste but not lifted from stock
	Alberta	British Columbia	Saskat- chewan	Manitoba	Ontario	United States									
January .....	211,593	33,686	242,983	111,564	2,013	8,462	251,795	862,096	27,047	839	3,931	8,264	16,406	1,459	917,124
February .....	111,737	38,516	103,966	54,529	1,615	3,473	284,993	598,829	21,282	766	1,432	4,097	12,017	2,972	635,451
March .....	107,004	20,843	89,627	40,299	574	3,143	320,694	582,184	21,011	725	1,030	5,409	12,282	5,898	616,743
April .....	81,458	11,340	53,941	14,384	10,736	1,254	259,202	432,315	18,368	253	.....	1,647	9,130	10,947	450,766
May .....	41,452	6,628	23,274	11,588	7,441	878	243,552	334,813	15,875	592	.....	3,247	8,236	6,043	356,720
June .....	52,198	7,664	41,227	10,634	6,881	572	239,549	408,725	17,463	386	.....	3,923	9,110	6,524	434,440
July .....	56,154	10,893	72,880	17,257	7,733	1,533	322,113	488,553	18,211	633	1,046	2,479	8,576	3,942	515,616
August .....	93,957	17,185	109,371	32,833	7,770	2,879	332,560	589,355	18,970	519	2,072	2,332	8,551	3,007	618,792
September .....	121,865	23,730	153,894	65,536	1,677	5,541	130,852	522,555	17,929	342	2,756	2,601	5,977	6,968	546,332
October .....	176,762	32,644	219,101	88,029	1,873	7,100	137,791	693,300	20,610	440	3,700	9,469	10,802	8,046	737,375
November .....	193,063	27,160	225,789	85,223	1,414	9,784	137,116	739,554	21,018	533	3,122	8,544	9,745	1,033	781,483
December .....	162,232	31,909	176,088	73,244	1,538	7,346	234,522	686,379	22,647	707	2,807	6,027	9,166	4,196	723,537
Total .....	1,409,475	262,198	1,511,141	605,125	44,265	52,265	3,054,239	6,938,708	240,431	7,106	22,832	58,039	119,998	52,935	7,334,179
Percentage of Total Sales .....	20.31	3.78	21.78	8.72	.64	.75	44.02								

How total output of DOMESTIC Coal from the Province was disposed of by months during 1928:

Months	SOLD FOR CONSUMPTION IN:						Total Sales	Used under Colliery Boilers	Used by R.R.	Put to Stock	Put to Waste	Lifted from Stock	Total output for year including put to stock and lifted from stock
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States							
January .....	190,236	20,106	216,161	90,077	1,918	5,588	524,086	14,101	172	4,655	7,493	1,195	549,312
February .....	95,763	8,192	91,119	40,432	1,444	1,610	238,560	9,809	69	2,874	2,659	2,264	251,707
March .....	96,307	7,731	80,996	32,753	541	853	219,181	9,396	36	2,318	2,073	2,620	227,384
April .....	71,990	6,048	48,419	10,781	7,959	653	145,850	8,322	21	1,248	1,121	6,492	150,070
May .....	31,433	1,721	18,751	6,868	3,601	81	62,455	6,728	8	955	302	5,154	65,294
June .....	39,180	2,832	37,147	6,789	4,661	163	90,822	7,563	46	1,851	1,049	4,357	96,974
July .....	42,734	3,797	37,147	6,789	4,842	163	90,822	7,576	67	954	1,437	2,373	96,974
August .....	74,161	7,516	88,639	20,807	6,446	1,699	193,568	8,208	37	976	696	1,554	196,284
September .....	99,666	13,688	136,355	50,329	1,480	4,235	305,553	9,719	152	2,411	3,030	516	320,449
October .....	159,890	19,946	194,588	69,474	1,689	6,000	451,567	10,858	198	6,872	4,724	756	473,463
November .....	176,460	16,336	205,496	67,412	1,174	6,412	473,290	11,293	126	4,137	5,067	571	493,332
December .....	148,541	20,818	156,862	60,673	1,377	5,387	393,658	11,602	204	3,800	4,191	1,455	412,000
Total .....	1,226,261	128,831	1,339,620	467,865	31,332	33,354	3,227,313	115,175	1,136	33,051	33,832	32,307	3,378,200
Percentage of Total Sales .....	38.00	3.99	41.51	14.50	.97	1.03							

How total output of SUB-BITUMINOUS Coal from the Province was disposed of by months during the year 1928:

Month	SOLD FOR CONSUMPTION IN:						Total Sales	Used under Colliery Boilers	Colliery by R.R.	Put to Stock	Put to Waste	Lifted from Stock	Total output for year including put to stock and waste but not lifted from stock
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States							
January .....	7,860	4,385	16,206	15,899	95	159	91,779	2,670	410	935	5,992	149	101,837
February .....	4,003	3,293	6,069	9,540	171	244	62,832	1,875	435	1,005	5,170	.....	71,317
March .....	1,661	1,642	1,087	1,526	83	99	37,858	1,536	450	122	5,102	148	44,320
April .....	2,853	1,618	752	1,033	2,777	30	40,667	1,191	40	299	5,225	437	46,986
May .....	2,310	1,276	1,013	1,122	3,307	.....	42,885	1,621	385	191	5,438	299	49,821
June .....	4,807	946	1,421	562	2,220	.....	40,101	1,437	365	97	5,295	191	47,104
July .....	5,694	1,401	3,548	3,288	2,391	.....	46,455	1,718	380	30	4,871	57	53,997
August .....	8,968	3,488	9,098	10,375	124	.....	66,147	2,546	370	100	5,596	30	74,729
September .....	10,212	4,750	9,999	13,302	197	.....	47,799	1,882	90	125	2,702	100	52,498
October .....	8,263	6,666	15,881	15,381	135	.....	59,534	2,337	140	172	5,231	125	67,279
November .....	9,037	5,121	12,408	15,246	240	340	66,081	2,379	360	234	4,192	172	73,074
December .....	5,045	5,483	7,007	9,557	161	166	51,485	2,474	400	276	3,405	104	57,936
Total .....	70,213	39,969	84,489	96,831	12,951	1,038	653,123	23,566	3,825	3,586	58,210	1,812	740,498
Percentage of Total Sales .....	10.76	6.12	12.93	14.83	1.96	.16							



How total output of BITUMINOUS Coal from the Province was disposed of by months during 1928:

Months	SOLD FOR CONSUMPTION IN:							Total Sales	Used under Colliery Boilers	Used by R.R.	Used making Briguettes	Put to Stock	Put to Waste	Lifted from Stock	Total output for year including put to stock and waste from stock
	Alberta	British Columbia	Saskat- chewan	Manitoba	Ontario	United States	Sold to Railroad Companies								
January .....	13,497	9,195	10,616	5,588	.....	2,715	204,620	246,231	10,276	257	3,931	2,674	2,921	115	266,175
February .....	11,971	27,081	6,778	4,557	.....	1,619	245,481	297,437	9,598	262	1,432	2,218	4,188	708	312,427
March .....	7,036	11,370	7,544	6,020	.....	2,191	238,784	325,145	10,079	239	1,030	2,969	6,107	130	344,439
April .....	7,116	3,674	4,770	2,570	.....	571	227,098	245,798	8,855	192	.....	100	2,783	4,018	253,710
May .....	7,709	3,631	3,510	3,588	33	797	210,635	225,373	7,626	199	.....	2,101	2,496	590	241,806
June .....	8,211	3,836	2,659	3,283	.....	409	259,404	277,802	8,463	246	986	1,975	2,766	1,976	290,262
July .....	7,726	5,895	4,225	2,499	.....	860	292,480	313,485	8,917	236	1,046	1,495	2,268	1,512	325,935
August .....	10,828	6,081	11,634	1,651	.....	980	298,466	329,640	8,216	112	2,072	1,256	2,259	1,423	342,132
September .....	12,087	5,292	7,540	1,905	.....	1,306	141,013	169,143	6,328	102	2,756	65	245	5,352	173,285
October .....	8,609	6,032	8,652	3,174	49	1,100	154,583	182,199	7,415	102	3,700	2,425	857	65	196,633
November .....	7,566	5,703	7,885	2,570	.....	3,032	173,427	200,183	7,346	97	3,122	4,173	496	340	215,077
December .....	8,646	5,608	11,219	3,014	.....	2,293	210,456	241,236	8,517	103	2,807	1,951	1,570	2,637	253,601
Total.....	113,001	93,348	87,032	40,429	82	17,873	2,706,507	3,058,272	101,690	2,145	22,882	21,402	27,956	18,866	3,215,481
Percentage of Total Sales .....	3.70	3.05	2.85	1.32	.002	.58	88.50								

## THE MINES BRANCH

Total amount of COAL sold during the years 1915 to 1928 inclusive for consumption in:

Year	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	Quebec	United States	By Railroads	Total
1915	2,129,120	54,860	695,898	64,816	.....	.....	25,047	.....	2,967,751
1916	2,866,670	86,413	1,007,765	97,265	.....	.....	61,092	.....	4,119,205
1917	2,813,413	76,397	1,139,771	249,872	.....	.....	93,081	.....	4,372,534
1918	3,440,154	101,189	1,372,439	511,168	629	.....	133,276	.....	5,558,855
1919	2,991,110	95,461	1,115,829	314,290	308	.....	121,212	.....	4,637,710
1920	1,647,202	138,850	1,310,146	600,962	13,911	30	153,610	2,516,555	6,371,265
1921	1,415,861	116,089	1,294,441	495,388	9,898	.....	133,823	2,023,204	5,488,704
1922	1,443,942	107,920	1,371,249	520,518	21,573	102	105,514	2,076,291	5,647,109
1923	1,332,788	108,326	1,223,454	553,639	52,334	.....	83,557	3,110,121	6,514,219
1924	1,431,327	114,186	1,189,788	519,407	16,525	.....	39,142	1,613,574	4,914,949
1925	1,440,082	117,037	1,297,653	509,655	28,831	.....	40,507	2,139,716	5,573,431
1926	1,325,290	127,858	1,296,181	591,267	74,559	.....	48,216	2,706,440	6,170,082
1927	1,508,089	137,028	1,427,904	612,542	22,680	221	45,169	2,739,765	6,563,168
1928	1,409,475	282,198	1,511,141	605,125	52,265	.....	44,265	3,084,239	6,588,708

NOTE: Previous to 1920 Railroad Coal was included in Sales in Alberta.

Amount of Coal produced by years from 1924 to 1928 inclusive:

## DOMESTIC COAL FIELD

Areas	1924	1925	1926	1927	1928
Ardley .....	13,280	9,222	10,755	8,102	6,725
Big Valley .....	54,019	33,351	19,588	20,180	9,089
Brooks .....	6,351	6,049	4,011	4,001	5,666
Camrose .....	81,473	72,031	56,639	53,486	43,905
Carbon .....	185,536	149,832	97,274	91,271	110,286
Castor .....	29,922	37,463	33,627	36,483	34,100
Champion .....	9,933	10,473	8,189	8,054	8,755
Drumheller .....	1,112,757	1,109,273	1,386,423	1,460,655	1,487,483
Edmonton .....	675,285	558,710	459,035	513,256	462,671
Empress .....	.....	.....	.....	.....	.....
Gleichen .....	4,933	4,373	3,207	3,277	3,289
Halcourt .....	658	695	494	604	636
Lethbridge .....	409,099	669,119	658,882	695,139	795,855
Magrath .....	2,712	2,662	1,580	463	598
Milk River .....	4,142	3,303	2,899	2,087	1,104
Pakowki .....	2,672	2,655	2,410	1,801	1,917
Pembina .....	197,024	184,811	158,837	177,387	158,907
Redcliff .....	48,327	44,637	32,776	29,119	25,697
Sexsmith .....	123	53	.....	.....	.....
Sheerness .....	42,488	35,090	27,404	26,499	22,672
Stevenville .....	739	525	349	123	.....
Taber .....	94,811	82,998	63,291	72,329	58,950
Tofield .....	119,811	138,268	132,879	152,375	149,012
Wainwright .....	160	35	.....	.....	.....
Wetaskiwin .....	12	670	470	259	159
Whitcourt .....	443	61	10	110	119
No Area Assigned .....	.....	.....	.....	111	605
Total.....	3,096,660	3,156,359	3,160,029	3,357,171	3,378,200

## SUB-BITUMINOUS COAL FIELD

Coalspur .....	506,050	488,403	402,259	504,987	645,370
Morley .....	121	151	.....	.....	.....
Pekisko .....	4,549	4,415	6,303	4,312	2,189
Pincher .....	6,499	2,097	2,734	2,173	3,213
Saunders .....	68,546	86,769	79,075	83,718	89,726
Total.....	585,765	581,835	490,371	595,190	740,498

## BITUMINOUS COAL FIELD

Brule .....	6,547	61,049	125,235	130,611	75,203
Cascade .....	134,827	173,579	275,639	290,212	283,587
Crow's Nest .....	918,845	1,132,300	1,452,069	1,443,066	1,639,343
Mountain Park .....	286,297	561,428	806,500	883,913	975,584
Nordegg .....	174,772	216,844	199,015	236,617	241,764
Total.....	1,521,288	2,145,200	2,858,508	2,984,419	3,215,481

Total output of DOMESTIC COAL by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley .....	1,208	1,424	449	240	142	53	27	34	69	590	993	1,491	6,725
Big Valley .....	2,183	1,121	1,075	717	285	329	15	72	705	717	1,061	829	9,089
Brooks .....	4,455	359	267	177	89	131	210	111	576	1,208	1,461	632	5,666
Carlson .....	6,288	4,157	4,133	2,326	1,470	1,433	1,306	2,014	3,144	5,886	6,662	5,081	43,966
Carbon .....	15,811	6,997	6,713	5,215	2,003	2,334	2,788	6,028	10,382	17,141	19,907	13,866	110,286
Coston .....	6,786	8,213	2,124	5,559	203	293	259	780	1,591	6,121	7,568	5,566	34,100
Champion .....	930	649	565	497	283	283	341	581	1,362	1,362	1,578	1,091	8,755
Drumeller .....	281,187	103,616	88,174	54,467	15,481	28,430	45,325	91,297	148,341	217,013	226,605	187,567	1,487,483
Edmonton .....	76,457	37,201	37,090	27,884	14,700	17,207	12,362	20,777	37,264	56,681	57,778	56,290	452,671
Gleichen .....	563	325	259	226	70	95	94	137	187	403	557	373	3,289
Halcourt .....	186	72	41	.....	.....	.....	.....	.....	40	60	72	215	636
Lethbridge .....	97,275	66,834	56,908	34,098	11,158	28,070	55,130	52,244	82,242	104,708	110,934	96,254	795,855
Magrath .....	52	40	42	12	10	12	7	6	38	65	175	139	598
Milk River .....	210	100	86	58	14	23	14	88	93	38	58	322	1,104
Pakowki .....	283	66	68	58	5	14	17	49	67	445	611	234	1,917
Pembina .....	26,042	8,985	14,746	12,698	7,201	7,996	6,534	8,081	13,295	19,489	17,682	16,108	158,907
Redcliff .....	4,924	1,602	1,669	1,347	1,180	754	1,262	1,418	1,538	3,209	3,541	3,253	25,997
Sheerness .....	2,887	2,181	1,623	873	504	584	673	1,233	1,443	3,437	4,864	2,370	22,672
Taber .....	10,978	1,687	590	485	200	189	192	6,309	7,240	10,978	12,113	7,989	58,950
Tofield .....	14,557	11,013	10,610	8,126	10,284	8,256	9,678	10,672	10,929	22,840	18,888	13,159	149,012
Wetaskiwin .....	.....	30	12	.....	.....	.....	.....	.....	.....	.....	85	24	159
Whitecourt .....	52	21	26	7	.....	.....	.....	.....	.....	.....	.....	13	119
No Area .....	.....	14	114	.....	.....	.....	.....	.....	80	68	194	135	605
Total .....	549,312	251,707	227,384	150,070	65,294	96,974	136,284	201,931	320,449	473,463	493,332	412,000	3,378,200

## SUB-BITUMINOUS COAL

Coalspur .....	82,778	63,361	43,034	44,859	47,338	44,066	49,068	65,250	40,835	50,825	61,833	49,122	645,370
Pekisko .....	327	391	153	57	61	104	50	54	148	189	294	361	2,189
Pincher .....	443	470	284	165	85	38	63	40	93	300	775	457	3,213
Saunders .....	15,089	7,095	1,449	1,905	2,137	2,896	4,216	9,385	11,422	15,964	10,172	7,996	88,726
Total .....	101,637	71,317	44,920	46,986	49,621	47,104	53,397	74,729	52,498	67,279	73,074	57,936	740,498

BITUMINOUS COAL

Brule .....	10,896	11,596	11,887	10,289	10,511	12,196	7,828	34,576	27,908	28,593	25,493	25,349	.....	75,203
Cascade .....	30,256	27,514	20,910	1,121	1,290	27,836	32,741	187,419	70,792	71,350	81,968	121,757	.....	283,587
Crow's Nest .....	142,976	181,597	205,552	134,259	117,343	150,281	174,049	104,840	53,777	70,394	75,248	77,314	.....	1,639,343
Mountain Park .....	56,685	67,218	92,373	94,410	97,696	87,532	98,197	15,297	20,808	26,296	32,368	29,181	.....	955,584
Nordegg .....	25,362	24,502	13,817	13,631	14,965	12,417	13,120	.....	.....	.....	.....	.....	.....	241,764
Total.....	266,175	312,427	344,439	253,710	241,805	290,262	325,935	342,132	173,235	196,633	215,077	253,601	.....	3,215,481

COAL AND BRIQUETTES

Coal .....	917,124	635,451	616,743	450,766	356,720	434,340	515,616	618,792	546,232	737,375	781,483	723,537	.....	7,334,179
Briquettes .....	4,244	1,547	1,115	.....	.....	1,070	1,134	2,227	2,969	4,010	3,409	3,043	.....	24,768

Total amount of Coal sold to Railroad Companies, by areas during each month, for consumption by same:  
SUB-BITUMINOUS COAL

Coalspur .....	46,768	39,512	31,910	32,104	32,857	30,145	29,601	33,791	9,020	12,777	23,521	23,998	.....	346,004
Saunders .....	407	.....	.....	.....	.....	.....	32	303	319	431	168	68	.....	1,728
Total.....	47,175	39,512	31,910	32,104	32,857	30,145	29,633	34,094	9,339	13,208	23,689	24,066	.....	348,732

BITUMINOUS COAL

Brule .....	9,701	10,439	10,715	9,155	9,387	11,098	6,736	28,833	22,272	21,509	18,982	19,203	.....	67,231
Cascade .....	23,348	23,888	17,433	118,183	99,378	24,720	29,049	159,067	51,540	44,819	53,996	91,084	.....	229,237
Crow's Nest .....	100,496	130,851	163,824	87,756	89,421	131,915	155,304	95,733	46,938	63,842	70,039	72,408	.....	1,300,957
Mountain Park .....	47,406	57,774	84,799	12,004	12,009	79,649	89,371	14,833	20,263	24,413	30,410	27,761	.....	885,136
Nordegg .....	23,669	22,529	12,013	.....	.....	12,022	.....	.....	.....	.....	.....	.....	.....	223,946
Total.....	204,620	245,481	288,784	227,098	210,695	259,404	292,480	298,466	141,013	154,583	173,427	210,456	.....	2,706,507

THE MINES BRANCH

Total amount of Domestic Coal disposed of by areas during each month for consumption in Alberta:  
LUMP COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley .....	341	759	125	34	32	27	.....	.....	.....	118	236	558	2,220
Big Valley .....	416	199	196	32	.....	10	.....	.....	51	121	192	97	1,350
Brooks .....	456	359	267	177	89	131	210	111	576	1,203	1,431	632	5,666
Camrose .....	2,501	1,450	1,524	968	567	517	464	729	1,322	2,402	2,532	2,094	17,100
Carbon .....	3,561	2,348	1,392	1,114	516	950	860	1,429	1,682	3,802	2,037	3,234	26,499
Castor .....	1,025	345	345	112	35	132	116	480	458	1,157	2,032	1,234	7,220
Champion .....	522	354	292	292	205	133	216	488	458	1,122	2,387	823	6,220
Dumfries .....	32,707	11,701	11,660	8,762	2,068	3,234	4,170	14,140	13,899	24,513	27,708	20,813	175,434
Edmonton .....	30,985	13,864	11,363	8,762	1,965	2,416	1,166	4,629	14,287	22,744	22,596	23,063	156,140
Gleichen .....	384	162	129	94	58	78	82	127	167	378	438	310	2,417
Haicourt .....	14,731	9,681	9,968	8,212	2,890	3,428	5,039	7,777	8,020	12,984	16,706	14,109	113,545
Lethbridge .....	37	30	53	12	10	12	7	6	38	65	150	100	600
Magrath .....	188	87	74	49	12	19	12	84	18	32	32	317	942
Milk River .....	116	15	29	25	4	6	13	21	36	242	345	134	986
Pakowki .....	4,189	1,844	3,242	464	153	640	148	798	1,429	3,915	2,228	2,018	21,068
Pembina .....	131	45	11	.....	.....	.....	.....	.....	447	673	16	78	1,010
Redcliff .....	316	428	323	188	54	65	79	323	353	758	923	417	4,227
Sheerness .....	1,793	564	232	191	105	79	79	1,220	453	991	1,164	623	7,494
Taber .....	1,911	842	183	150	150	150	150	252	479	1,505	1,522	1,309	8,603
Tofield .....	25	12	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	43
Wetaskiwin .....	44	.....	23	7	.....	.....	.....	.....	.....	.....	.....	10	84
Whitecourt .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total .....	96,457	45,080	41,954	27,218	8,915	11,926	12,836	32,316	43,723	78,782	87,022	72,190	558,419

## MINE-RUN COAL

Ardley .....	704	372	119	.....	70	16	21	26	51	184	251	302	2,116
Big Valley .....	857	563	402	.....	86	108	.....	47	409	350	649	548	4,304
Camrose .....	262	245	100	.....	311	267	294	.....	.....	65	492	225	2,598
Carbon .....	719	601	436	.....	138	92	79	.....	472	864	662	473	4,778
Gastor .....	5,445	2,623	1,608	.....	154	218	159	473	1,115	3,705	4,985	3,827	24,694
Champion .....	4,427	2,688	264	.....	81	135	55	401	117	225	154	176	2,192
Drumheller .....	1,245	1,281	444	.....	158	209	356	401	251	431	712	716	6,343
Edmonton .....	1,763	1,623	2,826	.....	4,517	3,869	3,727	4,125	2,520	1,854	2,358	2,016	36,219
Gleichen .....	188	130	120	.....	8	13	7	.....	.....	.....	10	26	624
Lethbridge .....	32	40	14	.....	9	20	5	.....	53	58	64	12	326
Magrath .....	15	10	9	.....	.....	.....	.....	.....	.....	.....	25	39	98
Milk River .....	.....	.....	.....	.....	.....	.....	.....	.....	71	.....	.....	.....	71
Pakowki .....	117	43	34	.....	25	6	.....	23	23	118	163	60	612
Pembina .....	52	.....	.....	.....	1,284	1,272	3,182	1,643	1,398	317	1,359	821	10,979
Redcliff .....	795	299	547	.....	550	506	582	503	584	856	837	2,073	8,810
Sheerness .....	1,756	1,224	777	.....	402	350	493	639	802	1,870	3,068	1,480	13,070
Taber .....	2,483	364	266	.....	207	35	92	359	523	966	1,107	1,018	5,532
Tofield .....	2,280	1,444	1,277	.....	1,692	2,534	2,477	2,769	2,412	3,306	2,104	1,326	24,522
Wetaskiwin .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28	19	47
No Area .....	.....	.....	22	.....	.....	.....	.....	.....	.....	68	194	135	419
Total .....	17,142	11,130	9,345	10,732	8,912	9,700	10,439	11,300	10,773	15,267	19,222	15,292	149,254

## NUT COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley .....	22	59	36	6	4	30	.....	.....	13	8	4	120	255
Big Valley .....	476	79	231	171	274	239	190	546	898	78	110	391	1,253
Camrose .....	1,547	1,118	1,059	534	450	580	678	938	1,435	1,671	1,843	1,515	11,434
Carbon .....	2,908	1,467	1,487	1,146	450	580	678	938	1,435	2,720	2,872	1,958	18,539
Castor .....	81	56	30	19	2	.....	.....	33	14	47	103	100	483
Champion .....	10	21	5	5	2	.....	8	.....	.....	10	15	10	94
Drumheller .....	9,475	3,300	3,963	3,009	884	1,235	1,901	4,314	4,427	6,783	7,343	5,970	52,604
Edmonton .....	16,281	10,758	12,308	9,975	4,318	4,944	3,372	5,594	8,715	14,243	13,769	13,386	177,663
Gleichen .....	21	17	10	10	4	4	5	.....	20	25	49	37	212
Lethbridge .....	5,145	3,739	3,552	2,146	646	1,921	3,132	2,488	4,022	5,638	7,275	4,474	44,178
Pembina .....	850	171	677	561	368	242	760	202	475	1,220	670	449	6,645
Redcliff .....	8	4	6	4	.....	.....	.....	3	6	28	33	15	110
Sheerness .....	280	113	137	71	22	48	50	50	50	80	300	106	1,523
Taber .....	412	74	.....	.....	.....	.....	.....	120	278	305	383	184	1,755
Tofield .....	20	95	108	.....	.....	.....	.....	.....	.....	39	168	77	507
Wetaskiwin .....	5	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
Whitecourt .....	3	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21
Total.....	37,544	21,093	23,615	17,657	6,972	9,244	10,098	14,300	20,390	33,081	34,937	28,491	257,422

## SLACK COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley .....	19	188	97	30	35	5	6	8	8	80	60	20	555
Camrose .....	466	363	364	175	46	27	21	245	431	1,005	728	391	4,262
Carbon .....	1,446	510	543	556	270	242	452	874	992	1,174	1,175	1,410	9,644
Castor .....	.....	19	20	10	7	.....	.....	16	26	42	103	.....	243
Drumheller .....	12,280	5,453	7,756	6,123	1,421	3,202	3,643	7,390	7,480	7,240	9,403	8,893	80,284
Edmonton .....	15,913	7,750	7,471	4,826	2,089	3,144	2,173	3,849	8,409	14,036	12,220	12,154	94,084
Gleichen .....	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
Halcourt .....	12	6	4	.....	.....	.....	.....	.....	6	8	7	8	51
Lethbridge .....	3,513	2,577	2,030	1,198	699	322	1,837	2,263	4,854	5,249	8,580	7,239	40,361
Pakowki .....	8	4	5	5	1	2	4	5	8	25	31	9	107
Pembina .....	5,183	1,369	2,325	3,281	1,937	1,238	1,060	1,510	2,330	3,590	2,750	2,111	29,184
Redcliff .....	32	18	11	14	.....	.....	1	155	4	53	8	13	162
Taber .....	.....	.....	.....	165	129	128	164	130	132	200	144	297	248
Tofield .....	216	190	264	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,159
Wetaskiwin .....	5	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
Whitecourt .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	39,093	18,460	21,393	16,383	6,634	8,310	9,361	15,445	24,680	32,760	35,279	32,568	261,365



Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Alberta:

## LUMP COAL

Coalspur .....	1,480	573	401	284	67	4	484	756	2,279	2,322	1,826	1,335	11,811
Pincher .....	73	78	61	21	.....	.....	.....	.....	.....	106	186	153	711
Saunders .....	1,492	800	426	33	210	308	343	535	1,239	1,822	1,069	752	9,029
Total .....	3,045	1,451	888	338	277	312	827	1,291	3,551	4,250	3,081	2,240	21,551

## MINE-RUN COAL

Coalspur .....	222	121	46	700	1,161	3,132	1,249	1,235	629	344	91	143	9,073
Pekisko .....	317	391	56	48	70	64	50	54	148	189	294	361	2,082
Pincher .....	124	104	56	33	78	38	63	40	32	154	36	2	820
Saunders .....	164	108	99	103	23	106	38	43	150	252	92	53	1,231
Total .....	827	724	297	944	1,332	3,340	1,400	1,372	959	939	513	559	13,206

## NUT COAL

Coalspur .....	241	216	73	36	72	40	108	228	501	296	516	487	2,814
Pincher .....	6	12	.....	8	.....	.....	.....	.....	.....	.....	70	28	124
Saunders .....	951	417	121	151	165	426	222	595	886	1,004	1,190	466	6,594
Total .....	1,198	645	194	195	237	466	330	823	1,387	1,300	1,776	981	9,532

## SLACK COAL

Coalspur .....	1,927	805	149	706	397	532	2,956	5,046	3,789	1,239	3,055	655	21,266
Pincher .....	22	22	48	47	7	.....	.....	.....	28	34	50	75	333
Saunders .....	841	356	85	123	60	157	181	436	498	511	552	525	4,325
Total .....	2,790	1,183	282	876	464	689	3,137	5,482	4,315	1,774	3,667	1,265	25,924

## THE MINES BRANCH

Total amount of Bituminous Coal disposed of by areas during each month for consumption in Alberta:

## LUMP COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade .....	160	64	113	.....	.....	11	2	11	74	184	162	164	945
Crow's Nest .....	333	256	341	.....	.....	96	113	117	255	327	491	459	2,788
Mountain Park .....	136	105	100	58	45	32	32	41	47	78	105	120	899
Total.....	629	425	554	58	45	139	147	169	376	589	758	743	4,632

## MINE-RUN COAL

Brule .....	64	67	36	49	16	21	13	.....	.....	.....	.....	.....	266
Cascade .....	267	142	147	.....	.....	186	367	831	849	503	475	954	4,731
Crow's Nest .....	4,253	3,242	3,620	2,733	2,285	2,418	1,135	2,847	5,452	3,564	2,948	3,229	37,827
Mountain Park .....	5,782	5,902	3,076	2,644	3,897	3,539	4,783	5,447	3,995	2,360	1,705	2,368	45,198
Nordegg .....	605	1,048	857	862	649	553	420	482	380	739	844	343	7,782
Total.....	10,971	10,401	7,736	6,288	6,847	6,717	6,719	9,607	10,676	7,166	5,972	6,704	95,804

## NUT COAL

Crow's Nest .....	.....	.....	.....	.....	.....	3	16	46	65	104	106	91	431
Mountain Park .....	.....	.....	.....	.....	.....	.....	1	.....	.....	30	.....	.....	31
Total.....	.....	.....	.....	.....	.....	3	17	46	65	134	106	91	462

## SLACK COAL

Cascade .....	229	187	141	769	817	1,352	46	134	53	238	183	187	1,398
Crow's Nest .....	1,668	958	605	.....	.....	.....	797	872	917	482	547	921	10,705
Total.....	1,897	1,145	746	769	817	1,352	843	1,006	970	720	730	1,108	12,103



Total output of Sub-Bituminous Coal disposed of by areas during each month for consumption in British Columbia:

LUMP COAL													
	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur .....	2,405	1,969	838	720	673	653	731	1,945	2,468	3,256	2,956	3,609	22,223
Saunders .....	132	.....	.....	.....	.....	.....	.....	133	154	132	130	101	782
Pincher .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	32	.....	32
Total.....	2,537	1,969	838	720	673	653	731	2,078	2,622	3,388	3,118	3,710	23,037

MINE-RUN COAL													
Coalspur .....	88	35	.....	66	74	33	94	96	.....	32	.....	30	548
NUT COAL													
Coalspur .....	1,760	1,289	704	832	529	260	495	1,314	2,128	3,214	2,003	1,702	16,196
Saunders .....	34	.....	.....	.....	.....	.....	31	.....	.....	32	.....	41	138
Total.....	1,794	1,289	704	832	529	260	526	1,314	2,128	3,246	2,003	1,743	16,334
SLACK COAL													
Coalspur .....	.....	.....	.....	.....	.....	.....	50	.....	.....	.....	.....	.....	50

Amount of Bituminous Coal disposed of by areas during each month for consumption in British Columbia:

LUMP COAL													
Cascade .....	763	2,249	1,526	371	484	517	320	415	433	312	45	402	45
Crow's Nest .....	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8,368
Mountain Park .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	32
Total.....	795	2,249	1,526	371	484	517	320	415	433	312	621	402	8,445
MINE-RUN COAL													
Cascade .....	297	.....	34	.....	34	177	111	111	45	95	.....	357	1,150
Crow's Nest .....	3,199	15,938	2,678	300	173	220	49	69	198	495	219	405	23,943
Mountain Park .....	149	249	136	273	201	202	303	168	167	100	101	100	2,149
Total.....	3,645	16,187	2,848	573	374	456	529	348	410	690	320	862	27,242
NUT COAL													
Crow's Nest .....	292	1,456	799	.....	33	.....	.....	.....	.....	.....	34	34	2,648
SLACK COAL													
Cascade .....	.....	.....	.....	2,730	2,740	2,863	4,846	5,318	4,449	5,030	4,728	4,277	33
Crow's Nest .....	4,463	7,139	6,397	.....	.....	.....	.....	.....	.....	.....	.....	.....	54,980
Total.....	4,463	7,139	6,397	2,730	2,740	2,863	4,846	5,318	4,440	5,030	4,728	4,310	55,013

## THE MINES BRANCH

Amount of Domestic Coal disposed of by areas during each month for consumption in Saskatchewan:

## LUMP COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley .....	281	170	228	90	33	33	33	298	220	120	190	180	580
Camrose .....	1,951	82	80	161	119	401	33	772	1,704	350	440	233	2,361
Carbon .....	.....	.....	.....	.....	.....	.....	.....	45	.....	1,150	2,147	1,330	9,747
Caster .....	108,540	36,374	30,032	15,957	3,905	9,775	18,333	38,500	62,244	90,916	46,997	71,338	582,911
Drumheller .....	6,100	441	433	203	64	1,042	372	1,029	1,306	2,921	2,987	1,320	18,218
Edmonton .....	36,753	24,482	21,139	11,505	2,971	10,086	24,256	22,964	33,785	41,451	41,600	37,374	308,266
Lethbridge .....	1,826	448	1,030	157	1,058	1,832	134	330	888	877	1,483	1,440	11,503
Pembina .....	1,879	158	73	25	28	32	.....	104	99	752	755	492	4,197
Redcliff .....	80	.....	.....	.....	.....	.....	.....	819	820	2,015	1,629	692	8,271
Sheerness .....	2,229	67	217	35	.....	40	240	2,565	1,825	7,733	7,019	1,439	23,727
Taber .....	1,980	644	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tofield .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	161,369	62,816	53,232	28,166	8,178	23,241	43,368	67,416	102,900	148,285	155,247	115,838	969,856

## MINE-RUN COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60
Big Valley .....	118	121	176	.....	.....	.....	32	.....	231	167	100	93	591
Camrose .....	.....	.....	.....	.....	.....	.....	.....	.....	72	116	115	203	963
Carbon .....	92	70	.....	.....	257	.....	306	.....	.....	38	.....	.....	38
Drumheller .....	.....	.....	451	67	95	.....	.....	539	40	97	.....	.....	1,401
Edmonton .....	.....	.....	.....	.....	205	.....	462	451	270	1,206	1,328	32	645
Pembina .....	1,697	968	894	729	524	215	677	793	522	1,498	1,498	793	4,715
Redcliff .....	216	159	163	60	.....	.....	.....	.....	.....	153	152	60	959
Sheerness .....	5,133	3,711	3,704	4,266	4,509	4,169	5,284	2,777	3,865	5,901	5,125	5,261	53,705
Tofield .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	7,256	5,029	5,388	5,122	5,620	4,384	6,761	4,560	5,000	8,373	8,378	6,821	72,692

## NUT COAL

	34	30	268	30	128	32	32	43	319	5,397	8,384	13,959	15,744	10,884	272	81	190
Ardley .....	34	30	268	30	128	32	32	43	319	5,397	8,384	13,959	15,744	10,884	272	81	64
Big Valley .....	386	353	4,729	4,044	629	1,454	36	62	6,508	3,927	8,322	9,877	9,995	9,315	1,087	80,595	2,564
Camrose .....	142	5,839	5,454	3,538	969	4,236	63	358	129	358	201	110	118	1,372	266	1,601	89,523
Carbon .....	15,141	1,595	7,556	1,972	198	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8,658
Drumheller .....	2,351	7,556	1,440	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	80,595
Edmonton .....	10,828	890	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10,772
Lethbridge .....	3,272	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	266
Pembina .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	228
Redcliff .....	.....	79	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,351
Sheerness .....	463	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Taber .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total .....	32,649	16,342	12,122	10,124	2,044	5,929	10,290	10,872	19,294	26,655	28,453	23,278	198,052	.....	.....	.....	.....

## SLACK COAL

	485	257	260	30	165	137	199	136	140	34	.....	.....	.....	.....	.....	.....	.....	30
Ardley .....	485	257	260	30	165	137	199	136	140	34	.....	.....	.....	.....	.....	.....	.....	2,371
Camrose .....	38	4,502	4,490	1,884	870	1,071	2,051	35	3,317	6,559	9,694	11,204	9,233	67,842	110	.....	.....	110
Carbon .....	12,467	1,972	5,279	2,445	1,250	1,803	1,993	1,637	1,637	1,728	939	1,557	1,133	23,228	.....	.....	.....	67,842
Drumheller .....	1,492	41	80	168	268	182	173	104	104	250	46	129	417	1,927	.....	.....	.....	23,228
Lethbridge .....	60	.....	48	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,927
Pembina .....	.....	90	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	48
Redcliff .....	340	32	97	315	384	338	300	270	323	298	428	89	33	1,548	.....	.....	.....	1,548
Taber .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,416
Totfield .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total .....	14,887	6,932	10,254	5,007	2,909	3,593	4,688	5,791	9,161	11,255	13,418	11,125	99,020	.....	.....	.....	.....	.....

Amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Saskatchewan:  
LUMP COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur .....	6,996	1,603	425	97	182	535	1,539	3,809	3,736	6,533	6,564	2,418	34,417
Saunders .....	4,826	2,168	270	131	144	294	700	2,444	3,192	5,201	2,974	2,811	24,655
Total.....	11,822	3,771	695	228	306	829	2,239	6,253	6,928	11,734	9,538	4,729	59,072

MINE-RUN COAL

Coalspur .....	114	32	.....	.....	.....	.....	.....	.....	106	.....	105	.....	407
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NUT COAL

Coalspur .....	1,239	512	101	134	33	.....	64	941	464	937	811	429	5,665
Saunders .....	1,171	746	92	132	204	129	319	464	865	986	765	401	6,274
Total.....	2,410	1,258	193	266	237	129	383	1,405	1,329	1,923	1,576	830	11,939

SLACK COAL

Coalspur .....	408	569	199	258	245	199	537	407	360	594	350	294	4,415
Saunders .....	1,457	439	.....	.....	225	264	389	1,033	1,226	1,630	839	1,154	8,656
Total.....	1,860	1,008	199	258	470	463	926	1,440	1,586	2,224	1,189	1,448	13,071





Amount of Domestic Coal disposed of by areas during each month for consumption in Manitoba:  
LUMP COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Big Valley .....	33	.....	.....	.....	.....	74	86	.....	33	37	.....	.....	33
Camrose .....	42	.....	1,225	763	183	21	113	836	1,892	2,562	2,666	1,856	272
Carbon .....	2,719	899	16,722	4,691	997	1,847	4,353	9,848	28,036	36,518	36,669	33,139	15,395
Drumheller .....	55,113	22,575	69	249	89	607	559	417	3,127	501	596	677	249,308
Edmonton .....	1,419	5,063	1,520	640	258	1,837	2,749	1,926	3,333	3,772	4,087	2,667	5,436
Lethbridge .....	3,669	733	530	332	942	.....	203	478	1,286	1,669	1,742	1,408	31,321
Pembina .....	2,882	44	.....	.....	.....	.....	.....	.....	45	66	159	138	12,005
Redcliff .....	143	69	.....	.....	.....	.....	.....	305	1,504	1,530	2,340	909	669
Taber .....	1,229	106	.....	.....	.....	.....	.....	38	365	987	539	273	7,323
Tofield .....	34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,336
Total.....	67,083	29,514	20,137	6,675	2,469	4,186	8,093	13,708	36,421	47,642	48,298	41,062	325,388

MINE-RUN COAL

Drumheller .....	253	.....	.....	.....	.....	.....	.....	.....	.....	.....	34	490	777
Edmonton .....	2,769	3,905	698	1,153	2,958	547	713	1,678	1,209	2,653	1,782	2,939	892
Tofield .....	.....	.....	4,410	.....	.....	.....	.....	.....	.....	.....	.....	.....	26,716
Total.....	3,022	3,905	5,108	1,153	3,152	547	713	1,678	1,209	2,653	1,816	3,429	28,385

## NUT COAL

Carbon .....	1,794	774	802	646	186	48	109	476	1,963	2,397	2,539	2,110	13,844
Drumheller .....	13,566	4,100	3,276	1,176	192	591	948	2,457	6,384	11,107	9,136	8,813	61,746
Edmonton .....	65	30	295	31	417	31	.....	67	.....	32	161	310	1,439
Lethbridge .....	836	419	217	66	.....	215	353	345	914	1,039	639	494	5,637
Pembina .....	1,485	891	2,241	756	452	726	137	1,071	1,953	2,673	2,343	1,986	16,714
Redcliff .....	65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	65
Taber .....	266	.....	.....	.....	.....	.....	.....	366	281	330	663	722	2,628
Total.....	18,077	6,214	6,831	2,675	1,247	1,611	1,547	4,782	11,495	17,578	15,481	14,435	101,973

## SLACK COAL

Carbon .....	1,727	799	677	278	.....	.....	.....	118	943	1,087	157	154	429
Drumheller .....	168	.....	.....	.....	.....	445	1,117	.....	261	514	.....	1,121	7,271
Lethbridge .....	.....	.....	.....	.....	.....	.....	.....	521	.....	.....	1,021	472	1,562
Taber .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,957
Total.....	1,895	799	677	278	.....	445	1,117	639	1,204	1,601	1,817	1,747	12,219

## THE MINES BRANCH

Sub-Bituminous Coal disposed of by areas during each month for consumption in Manitoba:

## LUMP COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur .....	9,155	4,795	812	638	234	387	1,923	4,219	5,665	6,239	6,703	4,784	45,549
Saunders .....	2,692	1,137	174	41	230	141	627	2,000	1,662	2,216	1,476	1,037	13,432
Total.....	11,847	5,932	986	674	464	528	2,550	6,219	7,327	8,454	8,179	5,821	58,981

## MINE RUN COAL

Coalspur .....	146	34	.....	.....	.....	.....	.....	.....	.....	.....	43	.....	223
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## NUT COAL

Coalspur .....	1,928	1,530	82	65	194	34	431	1,435	2,378	1,715	2,791	1,356	13,934
Saunders .....	65	132	.....	.....	30	.....	30	480	316	162	138	161	1,509
Total.....	1,988	1,662	82	65	224	34	461	1,915	2,694	1,877	2,924	1,517	15,443

## SLACK COAL

Coalspur .....	1,918	1,912	458	294	434	.....	277	2,034	3,147	4,402	3,960	2,139	20,975
Saunders .....	.....	.....	.....	.....	.....	.....	.....	207	134	648	140	80	1,209
Total.....	1,918	1,912	458	294	434	.....	277	2,241	3,281	5,050	4,100	2,219	22,184

Bituminous Coal disposed of by areas during each month for consumption in Manitoba:

### LUMP COAL

Cascade .....	163	169	.....	216	.....	48	.....	658	691	.....	408	.....	681	.....	33	438	1	43	.....	201	.....	77
Crow's Nest .....	163	169	.....	216	.....	48	.....	658	691	.....	408	.....	681	.....	33	438	205	183	.....	201	.....	4,061
Total.....	163	169	.....	216	.....	48	.....	658	691	.....	408	.....	681	.....	471	226	206	226	.....	201	.....	4,138

### MINE-RUN COAL

Crow's Nest .....	1,707	1,596	2,094	621	593	1,839	1,761	390	341	260	357	380	223	283	8,345
Mountain Park .....	99	633	1,324	1,196	1,839	1,761	1,218	1,69	1,69	1,69	134	1,153	572	46	10,144
Total.....	1,806	2,229	3,418	1,817	2,432	2,151	1,559	429	491	1,533	795	329	18,989		

### NUT COAL

Crow's Nest .....	33	.....	66	.....	.....	.....	.....	.....	.....	.....	33	.....	.....	.....	132
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### SLACK COAL

Crow's Nest .....	3,586	2,159	2,320	705	508	541	432	541	910	1,435	1,549	2,484	17,170
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## THE MINES BRANCH

Domestic Coal disposed of by areas during each month for consumption in Ontario:

## LUMP COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Camrose .....	34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	34
Carbon .....	33	77	44	42	.....	162	164	.....	.....	.....	.....	.....	43
Drumheller .....	632	348	162	6,085	2,720	2,993	3,087	394	360	522	438	798	649
Edmonton .....	.....	.....	.....	185	.....	322	153	.....	91	.....	.....	.....	18,539
Lethbridge .....	200	330	76	339	487	615	540	122	75	83	132	80	751
Pembina .....	135	.....	.....	311	38	78	20	.....	39	71	.....	.....	3,079
Taber .....	72	33	.....	.....	.....	.....	.....	.....	102	.....	44	89	724
Total .....	1,106	788	282	6,962	3,245	4,170	3,964	516	667	676	730	1,010	24,116

## NUT COAL

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Carbon .....	43	41	.....	.....	.....	.....	71	.....	36	38	.....	.....	229
Drumheller .....	453	440	227	304	129	158	422	97	475	823	235	163	3,926
Edmonton .....	.....	.....	33	33	.....	.....	.....	.....	125	32	.....	.....	190
Lethbridge .....	79	39	.....	77	155	73	301	33	45	80	92	.....	1,066
Pembina .....	170	65	32	583	72	260	84	.....	65	40	117	112	1,600
Taber .....	67	71	.....	.....	.....	.....	.....	.....	67	.....	.....	.....	205
Total .....	812	656	259	997	356	491	878	130	813	1,013	444	367	7,216

## Sub-Bituminous Coal disposed of by areas during each month for consumption in Ontario:

## LUMP COAL

Coalspur .....	31	77	.....	1,958	2,803	1,095	1,650	31	36	37	112	.....	7,830
Saunders .....	64	94	33	782	635	733	775	93	35	65	96	129	3,534
Total.....	95	171	33	2,740	3,438	1,828	2,425	124	71	102	208	129	11,364

## NUT COAL

Coalspur .....	.....	.....	.....	37	325	259	342	.....	32	.....	32	.....	1,059
Saunders .....	.....	.....	.....	.....	44	133	124	.....	94	33	.....	.....	428
Total.....	.....	.....	.....	37	369	392	466	.....	126	33	32	32	1,487

## Bituminous Coal disposed of by areas during each month for consumption in Ontario:

## MINE-RUN COAL

Mountain Park .....	.....	.....	.....	.....	33	.....	.....	.....	.....	.....	.....	.....	33
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## SLACK COAL

Crow's Nest .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	49	.....	.....	49
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Domestic Coal disposed of by areas during each month for consumption in United States:

LUMP COAL													
	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Camrose .....	33	32	.....	.....	.....	.....	.....	.....	32	.....	.....	.....	97
Carbon .....	.....	.....	.....	.....	.....	.....	.....	.....	34	.....	.....	.....	34
Drumheller .....	815	67	.....	67	.....	33	133	33	627	141	261	436	2,613
Lethbridge .....	834	143	47	242	48	.....	34	124	171	127	232	220	1,722
Taber .....	213	.....	.....	.....	.....	.....	.....	.....	.....	.....	147	280	640
Total.....	1,395	242	47	309	48	33	167	157	864	268	640	936	5,106

NUT COAL

Redcliff .....	.....	.....	35	.....	.....	.....	.....	.....	.....	.....	.....	.....	35
Drumheller .....	735	362	131	143	.....	.....	.....	125	520	285	548	524	3,373
Edmonton .....	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	32
Lethbridge .....	1,479	894	640	201	33	130	506	905	1,818	3,437	3,028	1,958	15,029
Taber .....	1,947	112	.....	.....	.....	.....	.....	512	1,033	2,010	2,196	1,969	9,779
Total.....	4,193	1,368	806	344	33	130	506	1,542	3,371	5,732	5,772	4,451	28,248

Sub-Bituminous Coal disposed of by areas during each month for consumption in United States:

LUMP COAL													
Pincher .....	60	94	.....	.....	.....	.....	.....	.....	.....	.....	96	66	316

MINE-RUN COAL													
Pincher .....	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	50	.....	83



## NUT COAL

Fincher .....	.....	.....	66	.....	.....	.....	.....	.....	.....	.....	.....	66
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## SLACK COAL

Fincher .....	66	150	33	30	.....	.....	.....	.....	.....	.....	194	100	573
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Bituminous Coal disposed of by areas during each month for consumption in United States:

## LUMP COAL

Crow's Nest .....	375	34	47	49	.....	.....	337	140	46	142	346	318	1,834
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## MINE-RUN COAL

Crow's Nest .....	506	451	302	.....	227	50	.....	156	34	198	442	645	3,011
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## SLACK COAL

Crow's Nest .....	1,834	1,134	1,842	522	570	359	523	684	1,226	760	2,244	1,330	12,828
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Domestic Coal used under Colliery Boilers by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Gastor .....	24	40	36	20	5	.....	.....	.....	.....	10	.....	40	100
Ardley .....	264	248	244	229	195	177	.....	.....	.....	.....	100	.....	375
Big Valley .....	108	70	66	66	66	150	50	56	60	.....	.....	.....	1,357
Camrose .....	308	241	254	233	188	232	244	254	312	68	68	.....	772
Carbon .....	3,393	2,373	2,573	1,790	943	1,358	1,179	1,861	1,784	1,895	1,884	.....	3,333
Drumheller .....	1,228	807	841	1,382	784	1,387	1,738	1,848	1,764	1,902	1,980	.....	23,703
Edmonton .....	6,385	4,617	3,760	3,812	3,446	3,895	4,346	3,848	4,955	5,589	5,352	.....	23,703
Lethbridge .....	1,600	922	1,007	800	638	652	538	3,446	723	900	1,440	.....	55,286
Fernbina .....	160	168	156	140	110	112	131	152	157	162	125	.....	10,500
Sheerness .....	481	195	5	.....	.....	.....	.....	300	300	300	300	.....	1,741
Taber .....	150	150	350	350	353	350	350	350	300	300	350	.....	1,741
Tofield .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,286
Total.....	14,101	9,809	9,396	8,322	6,728	7,563	7,576	8,208	9,719	10,858	11,293	11,802	115,175

Sub-Bituminous Coal used under Colliery Boilers by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalapur .....	1,704	1,315	1,284	989	1,235	1,143	1,256	1,927	1,230	1,553	1,753	1,890	17,279
Pincher .....	24	10	10	8	.....	.....	.....	.....	.....	.....	.....	.....	82
Saunders .....	942	550	242	199	286	294	462	619	652	778	610	571	6,205
Total.....	2,670	1,875	1,536	1,191	1,521	1,437	1,718	2,546	1,882	2,337	2,379	2,474	23,566

Bituminous Coal used under Colliery Boilers by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Brule .....	1,011	945	1,006	965	983	957	979	.....	.....	.....	.....	.....	6,846
Cascade .....	1,824	1,584	1,650	1,141	1,280	1,633	1,774	2,021	1,675	1,928	1,803	1,840	20,293
Crow's Nest .....	4,240	4,064	4,203	3,656	2,382	2,946	3,028	3,186	1,830	2,418	2,332	3,631	37,916
Mountain Park .....	2,298	2,155	2,373	2,328	2,253	2,236	2,416	2,272	2,135	2,188	2,339	2,254	27,247
Nordegg .....	903	850	847	765	728	641	720	737	688	881	872	846	9,478
Total.....	10,276	9,598	10,079	8,855	7,626	8,463	8,917	8,216	6,328	7,415	7,346	8,571	101,690

## Domestic Coal used by Colliery Railroads during each month by areas:

Lethbridge .....	100	60	36	21	8	46	67	22	92	108	89	92	741
Pembina .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	42	67
Redcliff .....	72	9	.....	.....	.....	.....	.....	16	60	65	37	70	328
Total.....	172	69	36	21	8	46	67	37	152	198	126	204	1,136

## Sub-Bituminous Coal used by Colliery Railroads during each month by areas:

Coalspur .....	410	485	450	40	385	365	380	370	90	140	360	400	3,825
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## Bituminous Coal used by Colliery Railroads during each month by areas:

Brule .....	120	145	180	120	125	120	100	.....	.....	.....	.....	.....	860
Cascade .....	65	55	45	10	10	69	78	67	58	55	57	50	619
Crow's Nest .....	72	62	64	62	64	57	58	45	42	47	40	53	668
Total.....	257	262	289	192	199	246	236	112	100	102	97	103	2,145

## Bituminous Coal used making Briquettes:

Cascade .....	8,931	1,432	1,030	.....	.....	986	1,046	2,072	2,756	3,700	3,122	2,807	22,882
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## THE MINES BRANCH

Domestic Coal Put to Stock by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Halcourt .....	70	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30	30
Arday .....	65	20	86	70	7	55	8	76	.....	.....	.....	.....	70
Carbon .....	1,095	640	80	110	10	100	55	.....	460	300	.....	.....	652
Drumheller .....	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	231	.....	3,260
Edmonton .....	3,054	1,778	1,677	393	838	1,301	491	675	1,262	6,197	3,146	2,435	264
Lethbridge .....	320	426	475	675	100	395	400	225	325	375	760	.....	23,611
Pembina .....	18	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5,136
Wetaskiwin .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28
Total.....	4,655	3,874	2,318	1,248	955	1,851	954	976	2,411	6,872	4,137	3,800	33,051

Sub-Bituminous Coal Put to Stock by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur .....	900	857	.....	25	45	.....	30	100	125	110	219	110	2,521
Pekisko .....	35	.....	57	9	.....	40	.....	.....	.....	.....	.....	.....	106
Fincher .....	.....	148	55	265	146	57	.....	.....	.....	62	15	20	80
Saunders .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	146	879
Total.....	935	1,005	122	299	191	97	30	100	125	172	234	276	3,586

Bituminous Coal Put to Stock by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade .....	65	130	30	.....	.....	85	145	170	65	115	575	115	1,495
Crow's Nest .....	2,328	13	2,839	.....	422	1,010	370	563	.....	2,047	3,329	1,605	14,526
Mountain Park .....	96	.....	.....	.....	.....	.....	.....	.....	.....	.....	27	.....	123
Nordegg .....	185	75	100	100	1,679	880	980	523	.....	263	242	231	5,258
Total.....	2,674	218	2,969	100	2,101	1,975	1,495	1,256	65	2,425	4,173	1,951	21,402



## THE MINES BRANCH

Domestic Coal Lifted from Stock by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Edmonton .....	175	35	.....	.....	.....	.....	.....	.....	76	.....	.....	74	74
Carbon .....	460	345	2,004	2,197	70	10	55	8	.....	.....	.....	.....	501
Drumheller .....	299	1,489	3,190	3,745	110	100	100	55	.....	.....	.....	.....	5,271
Lethbridge .....	271	320	426	475	4,399	4,240	1,823	1,091	215	431	196	621	21,639
Pembina .....	.....	75	.....	.....	675	100	395	400	225	325	375	760	4,747
Taber .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	75
Total.....	1,195	2,264	5,620	6,492	5,154	4,357	2,373	1,554	516	756	571	1,455	32,307

Sub-Bituminous Coal Lifted from Stock by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalapur .....	.....	.....	.....	345	25	45	.....	30	100	125	110	104	884
Pekisko .....	.....	.....	.....	.....	9	.....	.....	.....	.....	.....	.....	.....	9
Pincher .....	149	.....	148	37	.....	.....	.....	.....	.....	.....	.....	.....	37
Saunders .....	.....	.....	.....	55	265	146	57	.....	.....	.....	62	.....	882
Total.....	149	.....	148	437	299	191	57	30	100	125	172	104	1,812

Bituminous Coal Lifted from Stock by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade .....	60	65	130	30	.....	30	85	145	170	65	115	575	1,470
Crow's Nest .....	.....	643	.....	3,848	430	106	344	.....	4,559	.....	.....	1,837	11,767
Mountain Park .....	55	.....	.....	40	6	161	63	.....	100	.....	225	225	929
Nordegg .....	.....	.....	.....	100	100	1,679	1,020	1,278	523	.....	.....	.....	4,700
Total.....	115	708	130	4,018	590	1,976	1,512	1,423	5,352	65	340	2,637	18,866

## OUTPUTS AND NUMBER OF MINES PRODUCING:

Kind of Coal	Under 1,000 tons		From 1,000 to 5,000		From 5,000 to 10,000		From 10,000 to 50,000		From 50,000 to 100,000		From 100,000 to 200,000		From 200,000 to 300,000		From 300,000 to 400,000		Over 500,000		Total
	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	
Domestic .....	134	48,040	54	111,793	11	81,744	23	575,453	10	726,810	9	1,134,037	...	...	2	700,323	...	...	3,378,200
Sub-Bituminous .....	9	2,732	3	6,972	...	...	5	175,857	2	150,255	1	182,400	1	212,282	...	...	...	...	740,498
Bituminous .....	5	612	3	8,113	...	...	1	34,519	1	75,203	1	187,632	4	1,039,229	...	1,327,585	1	1,542,588	3,216,481
Total.....	148	51,384	60	126,878	11	81,744	29	785,829	13	962,268	11	1,504,069	5	1,251,511	6	2,027,908	1	1,542,588	7,334,179

## Men employed in the DOMESTIC, SUB-BITUMINOUS and BITUMINOUS COAL Fields as at December 31, 1928:

Kind of Coal	BELOW GROUND										Total Underground	ABOVE GROUND												Total Above and Below Ground
	Officials	Hand Cutters	Machine Cutters & Helpers	Machine Loaders	Horse H'rs Employees	Mechanical H'rs Employees	Ventilation Employees	Roadmakers	Timbermen	Pumpmen		Other Employees												
Domestic .....	246	854	498	2,396	581	123	34	135	216	26	195	5,304	82	135	473	111	52	40	46	59	37	318	1,353	6,657
Sub-Bituminous .....	27	241	32	172	47	22	4	5	36	3	26	615	18	23	86	37	24	9	17	12	8	192	426	1,041
Bituminous .....	133	1,600	...	...	163	217	48	69	151	18	409	2,808	20	98	180	45	50	33	28	37	43	433	967	3,775
Total .....	406	2,695	530	2,568	791	362	86	209	403	47	630	8,727	120	256	739	193	126	82	91	108	88	943	2,746	11,473





Men employed in the SUB-BITUMINOUS Coal Field as at December 31, 1928:

Coalspur .....	18	227	16	81	42	5	3	3	33	3	24	455	14	19	71	30	18	7	15	11	5	189	379	834
Pekisko .....	1	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1	5
Pincher .....	2	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	16	2	.....	.....	2	.....	.....	.....	.....	.....	4	20	
Saunders .....	6	.....	16	91	5	14	1	2	3	.....	2	140	2	4	15	4	6	2	2	1	3	3	42	182
Total.....	27	241	32	172	47	22	4	5	36	3	26	615	18	23	86	37	24	9	17	12	8	192	426	1,041

Men employed in the BITUMINOUS Coal Field as at December 31, 1928:

Cascade .....	16	146	...	...	12	42	4	8	6	2	14	250	2	11	32	6	10	4	2	4	...	26	97	347
Crow's Nest .....	87	986	...	...	62	180	33	30	67	11	299	1,655	13	52	63	24	24	18	10	22	36	226	488	2,143
Mountain Park .....	20	320	...	...	49	24	8	4	54	5	96	580	3	23	69	12	9	8	12	7	5	130	278	858
Nordegz .....	10	198	...	...	40	21	3	27	24	...	...	323	2	12	16	3	7	3	4	4	2	51	104	427
Total.....	133	1,600	...	...	163	217	48	69	151	18	409	2,808	20	98	180	45	50	33	28	37	43	433	967	3,775

THE MINES BRANCH

Men employed above and below ground in the DOMESTIC Field by areas each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total Average
Ardley .....	52	35	26	12	9	2	1	1	12	28	31	41	20
Big Valley .....	41	29	22	13	8	6	6	5	23	18	19	20	17
Brooks .....	8	9	7	4	4	4	4	5	10	15	18	14	8
Camrose .....	108	88	75	48	35	31	34	40	50	86	91	93	64
Carbon .....	231	176	148	102	93	102	91	140	165	231	268	267	165
Castor .....	131	87	69	33	10	14	15	27	43	106	134	127	67
Champion .....	22	20	17	14	11	13	17	15	16	35	28	29	18
Drumheller .....	2,937	2,277	1,986	1,413	774	893	1,655	1,585	2,113	2,413	2,730	2,737	1,909
Edmonton .....	985	714	620	502	377	329	350	427	538	886	948	972	637
Gleichen .....	12	5	5	5	4	4	4	1	1	5	9	10	2
Halcourt .....	3	3	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lethbridge .....	1,527	1,469	1,331	1,027	1,009	1,084	1,286	1,360	1,476	1,575	1,692	1,698	1,376
Magrath .....	3	3	4	3	3	3	3	1	3	5	4	6	3
Milk River .....	8	7	3	3	1	1	2	1	2	3	3	2	3
Pakowki .....	6	5	5	3	1	2	2	2	4	4	11	6	6
Pembina .....	225	173	157	162	153	139	140	143	179	205	205	201	173
Redcliff .....	87	57	23	22	21	20	21	32	36	63	57	55	41
Sheerness .....	56	49	36	24	22	24	23	28	33	57	67	58	39
Taber .....	275	250	20	19	16	40	44	162	165	211	222	219	137
Tofield .....	120	95	91	112	126	116	111	127	107	114	109	102	111
Wetaskiwin .....	3	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Whitecourt .....	5	3	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
No Area .....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total .....	6,845	5,559	4,650	3,512	2,667	2,797	3,215	4,107	5,039	6,015	6,642	6,643	4,810

Men employed above and below ground in the SUB-BITUMINOUS Coal Field by areas during each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total Average
Coalspur .....	753	636	446	506	579	570	618	635	772	773	832	834	663
Pekisko .....	9	7	13	8	6	7	4	3	2	3	5	5	6
Pincher .....	18	15	11	8	5	1	4	8	3	11	22	20	11
Saunders .....	195	133	80	70	81	100	121	163	184	219	200	182	144
Total .....	975	791	550	592	671	678	747	809	961	1,006	1,059	1,041	824

Men employed above and below ground in the BITUMINOUS Coal Field by areas during each month:

Brule .....	234	258	271	266	241	234	220	.....	332	.....	341	.....	.....	247
Cascade .....	327	325	322	69	65	324	331	329	332	.....	344	.....	347	288
Crow's Nest .....	1,919	2,159	2,202	2,155	2,138	2,114	2,161	2,162	2,058	.....	1,933	.....	2,143	2,098
Mountain Park .....	845	843	839	913	906	959	951	954	806	.....	843	.....	858	883
Nordegg .....	423	389	359	275	286	284	285	308	330	.....	384	.....	427	346
Total .....	3,748	3,974	4,043	3,678	3,636	3,915	3,948	3,756	3,526	.....	3,501	.....	3,775	3,862

Men employed above and below ground in the DOMESTIC, SUB-BITUMINOUS and BITUMINOUS Fields each month:

Domestic .....	6,845	5,559	4,650	3,512	2,667	2,797	3,215	4,107	5,039	.....	6,015	.....	6,643	4,810
Sub-Bituminous .....	975	791	550	592	671	678	747	809	961	.....	1,006	.....	1,041	824
Bituminous .....	3,748	3,974	4,043	3,678	3,636	3,915	3,948	3,756	3,526	.....	3,501	.....	3,775	3,862
Total .....	11,568	10,324	9,243	7,782	6,974	7,390	7,910	8,804	9,526	.....	10,522	.....	11,459	9,496

## THE MINES BRANCH

## PER CAPITA PRODUCTION OF MINES IN THE PROVINCE.

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
1906	1,385,000	2,800	494	2,000	692
1907	1,834,745	3,600	509	2,700	679
1908	1,845,000	3,780	488	2,681	688
1909	2,174,329	5,207	417	3,893	566
1910	3,086,757	5,818	504	4,090	742
1911	1,694,564	6,689	253	4,517	375
1912	3,446,349	6,661	517	4,861	708
1913	4,306,346	8,068	533	5,837	737
1914	3,821,739	8,170	467	6,052	631
1915	3,434,891	6,445	532	4,493	764
1916	4,648,604	7,570	614	5,536	839
1917	4,863,414	8,310	595	6,047	804
1918	6,148,620	8,818	697	6,141	1,001
1919	5,022,412	7,573	663	5,150	958
1920	6,908,923	9,688	712	6,551	1,055
1921	5,937,195	10,018	592	7,203	824
1922	5,976,432	8,757	683	6,154	971
1923	6,866,923	9,927	687	7,249	893
1924	5,203,713	7,317	711	5,299	982
1925	5,883,394	8,774	670	6,498	834
1926	6,508,908	8,763	743	6,569	991
1927	6,936,780	9,016	768	6,681	970
1928	7,334,179	9,496	772	6,625	1,107

## PER CAPITA PRODUCTION OF MINES IN THE DOMESTIC COAL FIELD.

1910	878,011	2,307	380	1,676	524
1911	964,700	3,548	271	2,488	391
1912	1,341,389	2,980	450	2,283	587
1913	1,763,225	4,017	438	2,929	601
1914	1,697,401	4,219	402	3,190	532
1915	1,682,922	3,181	529	2,210	761
1916	2,172,801	4,132	525	3,137	692
1917	2,537,829	4,701	539	3,489	727
1918	3,035,061	4,896	619	3,420	887
1919	2,611,009	4,226	617	2,953	884
1920	3,359,308	5,173	647	3,723	902
1921	2,943,141	5,601	525	4,256	691
1922	3,086,669	4,981	620	3,752	823
1923	3,161,741	4,969	636	3,765	812
1924	3,096,660	4,543	681	3,447	898
1925	3,156,359	4,874	647	3,750	808
1926	3,160,929	4,798	658	3,714	816
1927	3,357,171	4,663	720	3,603	891
1928	3,378,200	4,810	702	3,700	873

## PER CAPITA PRODUCTION OF MINES IN THE SUB-BITUMINOUS COAL FIELD.

1922	Stp. Pit	367,514	217	1,692	.....	.....
	B. Grd.	179,500	403	445	277	648
1923	Stp. Pit	288,467	190	1,513	.....	.....
	B. Grd.	174,994	354	494	260	673
1924	Stp. Pit	369,724	211	1,752	.....	.....
	B. Grd.	222,222	393	565	278	799
1925	Stp. Pit	335,993	162	2,074	.....	.....
	B. Grd.	245,842	461	533	326	754
1926	Stp. Pit	258,964	147	1,761	.....	.....
	B. Grd.	231,407	443	545	305	758
1927	Stp. Pit	304,584	193	1,583	.....	.....
	B. Grd.	290,606	478	608	321	905
1928	Stp. Pit	394,682	179	2,205	.....	.....
	B. Grd.	345,810	645	536	457	756

**PER CAPITA PRODUCTION OF MINES IN THE BITUMINOUS  
COAL FIELD.**

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed under- ground	Tons of coal mined per man employed under- ground
1910	1,896,961	2,981	636	2,076	914
1911	649,745	2,645	246	1,820	357
1912	1,926,371	3,243	594	2,353	818
1913	2,374,401	3,562	666	2,645	897
1914	1,953,367	3,529	553	2,632	742
1915	1,626,237	2,921	557	2,103	773
1916	2,335,259	3,142	743	2,258	1,034
1917	2,206,868	3,335	661	2,429	909
1918	2,982,334	3,636	820	2,597	1,109
1919	2,325,787	3,118	745	2,100	1,108
1920	3,419,021	4,228	809	2,711	1,202
1921	2,897,380	4,183	701	2,820	1,026
1922	2,214,273	3,034	729	2,084	1,062
1923	3,241,614	4,345	746	3,215	1,008
1924	1,515,107	2,171	698	1,574	966
1925	2,145,200	3,277	654	2,422	885
1926	2,858,508	3,375	847	2,550	1,121
1927	2,984,419	3,682	810	2,767	1,082
1928	3,215,481	3,862	832	2,468	1,302

**PER CAPITA PRODUCTION OF MINES IN THE ANTHRACITE  
COAL FIELD.**

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed under- ground	Tons of coal mined per man employed under- ground
1910	261,785	530	493	338	774
1911	80,119	500	160	209	383
1912	178,589	438	407	225	793
1913	168,720	489	345	263	641
1914	170,971	422	405	230	743
1915	125,732	343	366	180	698
1916	140,544	296	474	141	996
1917	118,717	284	418	129	920
1918	131,225	286	458	124	1,058
1919	85,616	229	374	95	901
1920	130,594	287	455	117	1,116
1921	96,674	284	341	127	761
1922	40,417	112	361	41	986
1923	107	69	1	9	12

The table showing the number of men employed in the Anthracite Coal Field includes employees at the briquetting plant. There has been no anthracite coal produced since 1923.

During the year 1909 a strike, affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1911 a strike, affecting all the larger mines in the Province, lasted for a period of eight months.

During the year 1917 a strike, affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1919 a strike, affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1922 a strike, affecting all the larger mines in the Province, lasted for a period of five months.

During the year 1924 a strike, affecting all the larger mines in the Province, lasted for a period of six and a half months.

NOTE: In calculating the total per capita production for men employed underground, the tonnage mined from stripping pits was deducted and only the tonnage produced from mines was used.

## THE MINES BRANCH

Per Capita Production of Mines by Areas:  
DOMESTIC COAL FIELD.

Areas	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed under- ground	Tons of coal mined per man employed under- ground
Ardley .....	6,728	20	321	15	448
Big Valley .....	9,089	17	534	13	699
Brooks .....	5,666	8	708	6	946
Camrose .....	43,905	64	686	50	878
Carbon .....	110,286	165	668	130	848
Castor .....	34,100	67	509	60	568
Champion .....	8,755	18	486	17	515
Drumheller .....	1,487,483	1,909	779	1,519	979
Edmonton .....	452,671	637	710	523	865
Gleichen .....	3,289	6	548	5	657
Halcourt .....	636	2	318	2	318
Lethbridge .....	795,855	1,375	578	1,043	763
Magrath .....	598	3	199	2	299
Milk River .....	1,104	3	368	3	368
Pakowki .....	1,917	6	319	4	479
Pembina .....	158,907	173	918	124	1,281
Redcliff .....	25,697	41	626	32	803
Sheerness .....	22,672	39	581	29	782
Taber .....	58,950	137	435	113	521
Tofield, Stripping .....	144,872	106	1,366	.....	.....
Tofield, Underground .....	4,200	5	840	5	840
Wetaskiwin .....	159	2	79	1	159
Whitecourt .....	119	3	39	2	59
No Area .....	605	4	151	2	302
Total.....	3,378,200	4,810	702	3,700	873

## SUB-BITUMINOUS COAL FIELD.

Coalspur, Stripping .....	394,682	179	2,205	.....	.....
Coalspur, Underground .....	250,688	484	518	339	722
Pekisko .....	2,189	6	364	5	438
Pincher .....	3,213	11	292	8	401
Saunders .....	89,726	144	627	105	854
Total.....	740,498	824	897	457	756

## BITUMINOUS COAL FIELD.

Brule .....	75,203	247	305	164	456
Cascade .....	283,587	288	984	199	1,425
Crow's Nest .....	1,639,343	2,098	781	1,642	998
Mountain Park .....	975,584	883	1,105	629	1,551
Nordegg .....	241,764	346	698	250	963
Total.....	3,215,481	3,862	832	2,468	1,302

Number of days on which Coal was drawn in the DOMESTIC Coal Field by areas each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley .....	17.63	14.10	6.88	13.00	3.00	7.50	8.00	15.00	10.00	14.00	18.40	15.40	142.91
Big Valley .....	18.50	13.50	8.83	10.00	8.00	8.50	7.00	6.50	16.66	17.75	24.00	16.00	155.24
Brooks .....	25.00	20.00	18.00	22.00	19.00	23.00	22.00	13.00	24.00	20.50	26.00	24.00	193.50
Camrose .....	19.83	13.16	14.00	18.33	15.33	15.00	14.33	17.66	21.00	18.80	22.20	16.40	206.04
Carbon .....	19.62	15.19	12.46	12.73	8.70	11.45	11.03	19.20	21.54	22.71	22.90	19.50	197.09
Castor .....	20.41	14.94	11.53	13.25	8.50	10.62	9.73	15.00	16.26	19.79	20.50	17.20	177.71
Champion .....	22.43	18.57	16.14	15.71	16.50	14.16	12.00	17.33	17.17	21.57	21.70	18.80	211.88
Drumheller .....	22.72	12.46	11.00	11.25	5.83	10.62	13.64	14.55	17.57	23.42	19.30	16.90	178.26
Edmonton .....	19.25	13.64	13.65	14.87	9.57	12.42	11.21	14.20	19.17	22.38	18.60	15.80	184.76
Gleichen .....	21.00	16.33	19.66	20.33	19.50	19.00	19.00	27.00	25.00	27.00	11.50	24.00	249.32
Halcourt .....	14.50	9.50	9.00	.....	.....	.....	.....	.....	12.00	14.00	16.50	14.50	90.00
Lethbridge .....	16.61	16.41	15.59	16.00	11.39	10.73	11.00	16.93	18.73	19.56	18.40	17.10	188.45
Magrath .....	20.00	24.00	24.00	20.00	3.00	17.00	1.00	3.00	25.00	27.00	26.00	20.50	210.50
Milk River .....	22.33	8.33	9.00	5.50	4.00	9.00	7.00	21.00	18.00	19.00	20.00	20.00	153.16
Pakowti .....	11.20	8.50	8.75	8.33	6.00	5.50	12.50	12.00	11.66	14.00	13.80	12.20	124.44
Pembina .....	21.00	12.00	21.75	19.50	11.50	10.50	13.00	13.00	14.50	18.00	15.00	17.50	187.25
Redcliff .....	24.00	13.00	24.00	21.00	18.00	14.00	13.00	21.00	19.50	22.00	22.50	21.00	238.00
Sheerness .....	18.15	17.31	17.00	14.82	11.91	12.18	13.15	17.46	16.85	23.57	22.90	17.80	203.10
Tuber .....	15.80	13.45	16.43	15.65	10.20	9.15	9.14	11.75	13.75	16.00	18.00	14.80	163.64
Tofield .....	16.80	17.20	17.00	17.25	26.00	26.00	25.00	23.66	19.25	20.20	19.80	19.20	247.16
Wetaskiwin .....	14.40	6.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.00	46.00
Whitecourt .....	19.00	12.00	11.00	4.00	.....	.....	.....	.....	.....	.....	.....	2.00	94.00
No Area .....	.....	4.00	25.00	.....	.....	.....	.....	.....	.....	14.00	23.00	13.50	92.50
Total Average ....	19.07	13.63	15.03	14.68	11.36	12.96	11.56	15.72	17.65	19.10	20.00	16.78	187.54

Number of days on which Coal was drawn in the SUB-BITUMINOUS Coal Field by areas each month:

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur .....	22.37	14.50	13.17	14.86	14.00	17.28	18.71	22.57	15.25	19.43	20.00	13.90	205.04
Fekisko .....	18.33	23.66	14.25	7.33	6.00	7.66	13.50	7.00	13.00	22.00	23.00	18.00	378.77
Fincher .....	17.50	18.00	13.66	10.66	7.50	9.00	18.00	10.00	14.00	14.33	23.00	14.70	170.35
Saunders .....	26.00	16.00	9.33	17.00	10.66	10.00	19.66	25.10	24.00	27.00	19.50	13.00	217.15
Total Average ....	21.05	18.04	12.60	12.46	9.54	10.98	17.47	16.14	16.56	20.69	21.37	14.90	191.80

Number of days on which Coal was drawn in the BITUMINOUS Coal Field by areas each month:

Brule .....	24.00	25.00	25.00	21.00	23.00	24.00	16.00	26.50	17.50	22.50	19.00	.....	158.00
Cascade .....	24.00	22.00	17.00	7.00	15.50	23.00	23.00	26.50	17.50	22.50	19.00	22.50	239.50
Crow's Nest .....	18.25	21.82	23.00	19.90	19.90	22.80	24.20	24.88	16.33	18.00	17.50	18.20	244.68
Mountain Park .....	18.83	21.66	22.33	23.66	24.00	22.86	24.66	24.66	15.33	21.33	16.50	19.00	264.78
Nordeg .....	23.00	21.00	15.00	15.50	16.00	12.00	13.00	15.00	20.00	23.00	24.00	24.00	221.50
Total Average.....	21.61	22.50	20.47	17.41	19.68	20.85	20.17	22.76	17.29	21.08	19.30	20.09	244.02

Number of days on which Coal was drawn each month:

Domestic .....	19.07	13.63	15.03	14.68	11.36	12.96	11.56	15.72	17.65	19.10	20.00	16.78	187.54
Sub-Bituminous .....	21.05	18.04	12.60	12.46	9.54	10.98	17.47	16.14	16.56	20.69	21.37	14.90	191.80
Bituminous .....	21.61	22.50	20.47	17.41	19.68	20.85	20.57	22.76	17.29	21.08	19.30	20.09	244.02
Total Average....	20.58	18.06	16.03	14.85	13.53	14.93	15.40	18.26	17.75	20.29	20.22	17.52	206.82



Number of shifts worked above and below ground in the DOMESTIC Field by areas during each month for the six months ending June 30, 1928:

Areas	January		February		March		April		May		June		Total		Total Above and Below Ground
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	
Ardley .....	265	658	158	387	61	135	29	99	6	17	7	8	526	1,304	1,830
Big Valley .....	147	738	195	328	114	285	125	135	60	47	62	51	703	1,584	2,287
Brooks .....	74	123	64	90	60	77	40	42	31	28	43	33	312	393	705
Camrose .....	372	1,444	247	948	237	880	180	589	156	379	158	380	1,350	4,600	5,950
Carbon .....	1,025	4,279	544	1,712	476	1,470	356	1,067	221	445	492	970	3,114	9,243	13,057
Castor .....	1,522	2,037	303	926	172	512	66	192	24	60	43	145	1,180	3,303	4,938
Champion .....	117	325	77	236	48	186	44	132	24	150	41	115	331	1,174	1,525
Drumheller .....	13,053	59,093	6,724	23,256	6,184	19,904	4,678	12,770	3,370	5,742	3,519	8,136	37,528	123,501	166,429
Edmonton .....	3,523	16,972	2,161	8,322	1,936	8,514	1,537	6,271	1,395	3,301	1,277	4,029	11,829	45,570	60,399
Gleichen .....	66	178	31	111	42	100	31	94	23	49	24	58	217	590	807
Halcourt .....	7	50	5	34	6	17	...	...	...	...	...	...	18	101	119
Lethbridge .....	8,804	27,453	7,292	20,707	7,753	21,425	5,312	12,198	4,868	5,320	5,953	11,344	39,982	93,947	138,929
Magrath .....	20	40	24	48	24	35	20	48	1	2	17	34	106	207	313
Milk River .....	33	116	13	40	4	17	3	13	2	5	3	6	58	197	255
Pakowki .....	14	53	8	34	10	21	9	16	2	4	2	9	45	147	192
Pembina .....	1,761	4,044	861	2,127	1,414	2,288	1,161	2,217	923	1,392	710	1,486	6,830	13,534	20,364
Redcliff .....	526	1,364	158	520	96	358	184	378	72	306	56	224	992	3,248	4,240
Sheerness .....	349	687	264	530	210	338	150	204	68	151	105	132	1,146	2,089	3,235
Taber .....	1,078	4,241	663	1,502	69	166	39	137	11	80	19	110	1,879	6,236	8,115
Tofield .....	1,616	168	1,228	1,578	1,206	37	1,532	29	3,000	...	2,887	...	11,469	362	11,831
Wetaskiwin .....	14	28	2	10	23	...	...	...	...	...	...	...	41	38	79
Whitecourt .....	10	70	2	14	3	14	1	3	...	...	...	...	16	97	113
No Area .....	...	...	...	4	5	20	...	...	...	...	...	...	5	24	29
Total .....	33,896	124,161	21,024	62,560	20,155	56,934	15,397	36,634	14,257	18,478	15,418	27,322	119,647	326,089	445,736

## THE MINES BRANCH

Number of shifts worked above and below ground in the DOMESTIC Field by areas during each month for the six months ending December 31, 1928:

	July		August		September		October		November		December		Total		Total Above and Below Ground July 1 to Dec. 31, 1928	Total Above and Below Ground for year ending Dec. 31, 1928
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground		
Ardley .....	8	.....	15	.....	47	45	151	219	158	404	164	470	543	1,138	1,681	3,511
Big Valley .....	63	22	8	.....	76	185	80	238	359	359	75	272	400	1,091	1,491	3,778
Brooks .....	35	34	54	34	47	179	69	281	31	349	78	213	384	1,135	1,499	2,204
Camrose .....	152	572	189	572	233	873	411	1,322	366	1,371	310	1,055	1,571	5,393	7,564	13,514
Carbon .....	388	2,090	712	2,090	940	2,838	1,189	4,363	1,139	4,365	868	3,756	5,256	18,855	24,111	37,168
Castor .....	32	324	110	324	121	427	295	1,362	394	2,410	341	1,310	1,363	6,657	7,920	12,853
Champion .....	56	145	45	191	44	178	33	419	47	557	67	478	392	1,933	2,225	3,750
Drumheller .....	4,528	10,957	6,988	9,911	9,911	34,897	12,154	44,374	13,650	51,281	11,424	44,779	58,325	209,739	268,424	434,353
Edmonton .....	1,312	3,614	1,612	5,788	2,224	8,811	3,091	13,887	3,131	13,865	2,658	12,811	14,058	58,556	72,604	133,003
Gleichen .....	28	78	27	78	25	100	54	130	50	245	48	225	232	886	1,068	1,375
Halcourt .....	.....	10	2	.....	4	20	2	32	6	99	2	90	16	286	292	301
Lethbridge .....	7,351	17,130	6,630	17,130	10,611	31,831	9,498	30,290	9,619	31,783	9,612	29,433	53,321	158,111	211,482	350,361
Magrath .....	1	.....	3	.....	25	48	27	86	26	64	48	105	130	305	435	438
Milk River .....	3	.....	6	.....	.....	40	.....	39	.....	55	.....	39	9	228	237	492
Pakowki .....	3	18	6	18	20	25	26	29	34	157	9	61	98	312	410	692
Pembina .....	770	1,219	664	1,600	989	2,014	2,133	1,354	1,139	2,664	1,113	2,459	6,808	11,940	18,718	39,382
Redcliff .....	72	306	147	525	156	456	232	1,042	17	919	188	957	1,212	4,205	5,471	9,587
Sheerness .....	96	136	136	315	103	413	290	850	446	1,026	200	680	1,271	3,480	4,751	7,986
Taber .....	32	836	121	2,672	793	2,144	1,002	2,850	1,074	3,317	705	2,226	4,442	13,930	18,372	26,487
Telford .....	2,870	.....	3,244	.....	2,338	16	2,424	125	1,952	164	1,439	128	14,257	4,433	14,700	26,531
Wetaskiwin .....	.....	.....	.....	.....	.....	.....	.....	.....	19	38	7	14	26	52	78	157
Whitecourt .....	.....	.....	.....	.....	.....	26	.....	33	30	.....	6	28	.....	4	195	117
No Area .....	.....	.....	.....	.....	.....	.....	16	.....	.....	56	.....	.....	52	143	.....	224
<b>Total .....</b>	<b>17,800</b>	<b>35,809</b>	<b>21,434</b>	<b>54,418</b>	<b>28,697</b>	<b>85,566</b>	<b>33,177</b>	<b>104,843</b>	<b>33,856</b>	<b>116,788</b>	<b>29,362</b>	<b>102,068</b>	<b>164,326</b>	<b>499,292</b>	<b>683,618</b>	<b>1,109,354</b>

Number of shifts worked above and below ground by areas during each month for the six months ending June 30, 1928:  
SUB-BITUMINOUS COAL FIELD.

Areas	January		February		March		April		May		June		Total		Total Above and Below Ground
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	
Coalspur .....	8,593	9,129	6,716	4,549	5,557	1,594	5,787	2,619	6,722	3,329	6,979	3,273	40,354	24,593	64,947
Pekisko .....	18	115	36	105	34	109	31	29	29	52	31	50	189	460	649
Pincher .....	83	212	89	217	52	96	43	55	29	18	9	10	306	607	913
Saunders .....	1,411	4,215	675	1,696	350	391	461	551	480	621	499	771	3,866	8,245	12,111
Total.....	10,105	13,671	7,516	6,567	6,003	2,290	6,312	3,254	7,260	4,020	7,519	4,103	44,715	33,905	78,620

  

BITUMINOUS COAL FIELD.															
Brule .....	2,306	4,195	2,393	4,244	2,256	4,612	2,038	4,340	1,954	4,244	1,702	3,990	12,649	25,525	38,174
Cascade .....	2,658	5,556	2,496	5,119	2,212	4,063	1,212	581	1,356	593	2,527	5,081	12,431	20,988	33,419
Crow's Nest .....	11,237	33,525	12,554	40,119	12,730	43,264	10,344	30,159	10,210	29,080	10,715	34,579	67,780	211,026	278,816
Mountain Park .....	4,075	13,859	4,108	14,715	5,111	15,333	5,393	16,214	5,593	15,426	5,576	16,759	29,766	93,506	123,272
Nordeg .....	3,673	7,010	3,374	5,897	2,077	3,072	1,982	3,285	1,884	3,017	2,084	2,700	15,074	24,991	40,065
Total.....	23,949	64,145	24,925	70,094	24,386	70,544	20,969	54,589	20,337	53,365	22,604	63,309	137,770	376,046	513,816

  

TOTAL DOMESTIC, SUB-BITUMINOUS AND BITUMINOUS FIE LDS.															
Domestic .....	33,396	124,161	21,024	62,560	20,155	56,934	15,397	36,634	14,257	18,478	15,418	27,322	119,647	326,089	445,736
Sub-Bituminous .....	10,105	13,671	7,516	6,567	6,003	2,290	6,312	3,254	7,260	4,020	7,519	4,103	44,715	33,905	78,620
Bituminous .....	23,949	64,145	24,925	70,094	24,386	70,544	20,969	54,589	20,337	53,365	22,604	63,309	137,770	376,046	513,816
Total.....	67,450	201,977	53,465	139,221	50,544	129,768	42,678	94,477	42,454	75,863	45,541	94,734	302,132	736,040	1,038,172

Number of shifts worked above and below ground by areas during each month for the six months ending December 31, 1928:  
SUB-BITUMINOUS COAL FIELD.

Areas	July		August		September		October		November		December		Total		Total Above and Below Ground from July to December	Total Above and Below Ground Dec. 31, 1928
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground		
Coalapur .....	7,800	5,007	8,479	7,060	6,003	8,367	7,512	9,948	8,540	9,542	7,164	7,166	45,498	47,090	92,588	157,535
Pekisko .....	16	27	13	14	13	13	23	29	23	66	18	76	106	225	331	980
Pincher .....	75	15	33	52	24	40	51	135	115	324	57	770	355	770	204	2,038
Saunders .....	754	1,659	924	2,906	1,158	3,446	1,485	4,732	1,088	3,312	855	1,994	6,264	18,049	24,313	36,424
Total.....	8,645	6,708	9,449	10,032	7,198	11,866	9,071	14,844	9,766	13,244	8,094	9,440	52,223	66,134	118,357	196,977

## BITUMINOUS COAL FIELD.

	July		August		September		October		November		December		Total		Total Above and Below Ground from July to December	Total Above and Below Ground Dec. 31, 1928
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground		
Brule .....	1,551	3,290	2,771	6,142	2,529	5,015	2,770	5,349	2,589	5,007	2,548	5,025	1,551	3,290	4,841	43,015
Cascade .....	2,793	5,783	17,038	37,918	8,418	19,117	8,654	21,788	9,866	22,995	10,961	30,584	67,282	32,271	48,271	81,760
Crow's Nest .....	12,345	40,285	6,378	18,120	6,217	10,576	7,707	12,906	7,639	11,815	7,185	12,593	41,547	83,937	239,914	518,730
Mountain Park .....	6,241	17,927	2,223	8,091	2,195	4,297	2,657	5,606	2,896	6,553	2,765	6,262	14,712	28,729	125,454	248,756
Nordegg .....	1,976	2,920													43,441	83,506
Total.....	25,086	70,105	28,410	65,271	19,359	39,005	21,788	45,644	22,990	46,370	23,459	54,464	141,092	320,859	461,951	975,767

## TOTAL DOMESTIC, SUB-BITUMINOUS AND BITUMINOUS FIELDS.

	July		August		September		October		November		December		Total		Total Above and Below Ground from July to December	Total Above and Below Ground Dec. 31, 1928
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground		
Domestic .....	17,800	35,809	21,434	54,418	28,697	85,566	33,177	104,643	33,856	116,788	29,362	102,068	164,326	499,292	663,618	1,109,354
Sub-Bituminous .....	8,645	6,708	9,449	10,032	7,198	11,866	9,071	14,844	9,766	13,244	8,094	9,440	52,223	66,134	118,357	196,977
Bituminous .....	25,086	70,105	28,410	65,271	19,359	39,005	21,788	45,644	22,990	46,370	23,459	54,464	141,092	320,859	461,951	975,767
Total.....	51,531	112,622	59,293	129,721	55,254	136,437	64,036	165,131	66,612	176,402	60,915	165,972	357,641	886,285	1,243,926	2,282,098

## Amount of Mine Timber used during the year:

## DOMESTIC COAL FIELD.

Areas	Round Timber linear ft.	Lumber B.M.	Ties	Slabs	Cordwood
Ardley .....	33,280	.....	.....	.....	.....
Big Valley .....	36,270	1,275	.....	.....	.....
Brooks .....	24,500	.....	.....	.....	.....
Camrose .....	149,364	.....	.....	.....	.....
Carbon .....	422,377	2,000	.....	.....	.....
Castor .....	120,235	.....	.....	.....	.....
Champion .....	40,222	.....	.....	.....	.....
Drumheller .....	5,080,968	.....	44,665	219	.....
Edmonton .....	2,232,944	.....	105,500	188	.....
Gleichen .....	20,750	.....	.....	.....	.....
Halcourt .....	3,480	.....	.....	.....	.....
Lethbridge .....	3,749,235	2,560,236	210,061	117	90
Magrath .....	3,825	.....	.....	.....	.....
Milk River .....	10,450	.....	.....	.....	.....
Pakowki .....	5,435	.....	.....	.....	.....
Pembina .....	375,927	.....	24,175	.....	.....
Redcliff .....	59,009	.....	.....	.....	.....
Sheerness .....	55,330	4,500	.....	.....	.....
Taber .....	138,332	500	8,080	1	.....
Tofield .....	8,660	.....	.....	.....	.....
Wetaskiwin .....	750	.....	.....	.....	.....
Whitecourt .....	1,372	.....	.....	.....	.....
No Area .....	1,960	.....	.....	.....	.....
Total.....	12,574,666	2,568,511	392,481	525	90

## SUB-BITUMINOUS COAL FIELD.

Areas	Round Timber linear ft.	Lumber B.M.	Ties	Slabs	Lagging
Coalspur .....	505,791	44,982	20,500	18	10,000
Pekisko .....	4,350	.....	.....	.....	8,168
Pincher .....	10,593	.....	.....	.....	.....
Saunders .....	546,646	.....	.....	.....	.....
Total.....	1,067,380	44,982	20,500	18	18,168

## BITUMINOUS COAL FIELD.

Areas	Round Timber linear ft.	Lumber B.M.	Ties	Slabs	Lagging
Brule .....	210,500	6,400	4,700	.....	.....
Cascade .....	459,800	.....	.....	.....	100,000
Crow's Nest .....	3,587,734	835,504	.....	.....	916,296
Mountain Park .....	1,624,897	.....	.....	225	5,209
Nordegg .....	1,485,823	.....	.....	.....	.....
Total.....	7,368,754	841,904	4,700	225	1,021,505

## PARTICULARS OF LAMPS IN THE DOMESTIC COAL FIELD.

	1920	1921	1922	1923	1924	1925	1926	1927	1928
Portable Electric Lamps, Edison Cap Type .....	940	1,063	1,000	807	780	744	1,207	1,592	1,800
Portable Electric Lamps, Ceag Hand Type.....	35	35	35	35	43	43	.....	.....	.....
Portable Electric Lamps, Wico Cap Type.....	500	500	500	500	569	560	275	.....	.....
Portable Electric Lamps, Oldham Cap Type.....	.....	.....	.....	.....	25	40	.....	.....	.....
Safety Lamps, Wolfe Flame Type .....	495	524	421	125	152	147	108	108	106
Safety Lamps, Koehler Flame Type .....	.....	6	.....	3	6	8	4	3	.....
Total.....	1,770	2,128	1,956	1,470	1,575	1,542	1,594	1,703	1,906

## PARTICULARS OF LAMPS IN THE SUB-BITUMINOUS COAL FIELD.

	1920	1921	1922	1923	1924	1925	1926	1927	1928
Portable Electric Lamps, Edison Cap Type .....	.....	.....	54	78	62	41	120	120	140
Safety Lamps, Wolfe Flame Type .....	.....	.....	.....	.....	.....	110	42	39	45
Total.....	.....	.....	54	78	62	151	162	159	185

## PARTICULARS OF LAMPS IN THE BITUMINOUS COAL FIELD.

	1920	1921	1922	1923	1924	1925	1926	1927	1928
Portable Electric Lamps, Edison Cap Type.....	2,214	2,612	2,849	3,545	3,485	2,952	3,024	3,378	3,510
Portable Electric Lamps, Wheat Electric Cap Type.....	.....	.....	.....	.....	.....	.....	.....	.....	11
Portable Electric Lamps, Wolfe Electric Cap Type.....	.....	.....	.....	.....	.....	.....	.....	.....	20
Portable Electric Lamps, General Electric Cap Type.....	71	71	71	47	.....	.....	.....	.....	.....
Portable Electric Lamps, Oldham Cap Type.....	.....	.....	7	1,186	894	703	554	633	468
Safety Lamps, Wolfe Flame Type .....	1,441	1,301	1,218	.....	.....	.....	.....	8	.....
Safety Lamps, Koehler Flame Type .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	3,726	3,984	4,147	4,778	4,379	3,655	3,578	4,019	4,109

Quantity of Explosives used in pounds for blasting coal:  
DOMESTIC COAL FIELD.

Areas	Name of Explosive							Miner's Friend No. 9	Total
	Black Powder	Pellet Powder	40 % Dynamite	Monobel No. 4	Stumping Powder	Coalite			
						E.L.F.	G.		
Ardley .....	5,130								5,130
Big Valley .....	4,415								4,415
Brooks .....	6,755								6,755
Camrose .....						225			225
Carbon .....	46,533	2,350							48,883
Castor .....	11,048								11,048
Champion .....	5,120								5,120
Drumheller .....	280,666	66,503		2,800				12,300	362,269
Edmonton .....	51,490	9,856		4,475	1,528	1,128	21,475	5,118	95,070
Gleichen .....	3,075								3,075
Halcourt .....	1,800								1,800
Lethbridge .....	74,514		6,000	43,167					123,681
Magrath .....	343								343
Milk River .....	1,179								1,179
Pakowki .....	340		246						586
Pembina .....	5						13,996		14,001
Redcliff .....	8,267								8,267
Sheerness .....	11,258								11,258
Taber .....	5,086			4,250					9,336
Tofield .....	24,555		300	3	1,295				26,153
Wetaskiwin .....	25								25
No Area .....	350				20				370
Total.....	541,954	78,709	6,546	54,695	2,843	1,353	35,471	17,418	738,989

SUB-BITUMINOUS COAL FIELD.

Areas	Name of Explosive						Total
	Pellet Powder	Dynamite			Monobel No. 4	Miner's Friend No. 9	
		35 %	40 %	60 %			
Coalspur .....	500	56,025	200	9,925	82,569	.....	149,219
Pekisko .....					235	.....	235
Pincher .....					949	.....	949
Saunders .....	8,812					8,888	17,700
Total.....	9,312	56,025	200	9,925	83,753	8,888	168,103

BITUMINOUS COAL FIELD.

Areas	Name of Explosive				Total
	Monobel No. 4	Monobel No. 6	Black Powder	CXL-ITE No. 2	
Brule .....					
Cascade .....	46,712	16,600			63,312
Crow's Nest .....	63,061	82,009	250	1,844	147,164
Mountain Park .....	15,971	131,086			147,057
Nordegg .....	14,400				14,400
Total.....	140,144	229,695	250	1,844	371,933

## THE MINES BRANCH

Number of tons of coal produced per pound of Explosive used for blasting coal:

## DOMESTIC COAL FIELD.

Areas	Number of tons mined	Number of pounds of explosive used	Tons of coal mined per pound of explosive used
Ardley .....	6,725	5,130	1.17
Big Valley .....	9,089	4,415	2.06
Brooks .....	5,666	6,755	.84
Camrose .....	43,905	225	190.68
Carbon .....	110,286	48,883	2.26
Castor .....	34,100	11,048	3.08
Champion .....	8,755	5,120	1.71
Drumheller .....	1,487,483	362,269	4.11
Edmonton .....	452,671	95,070	4.76
Gleichen .....	3,289	3,075	1.07
Halcourt .....	636	1,800	.35
Lethbridge .....	795,855	123,681	6.44
Magrath .....	598	343	1.74
Milk River .....	1,104	1,179	.94
Pakowki .....	1,917	586	3.27
Pembina .....	158,907	14,001	11.35
Redcliff .....	25,697	8,267	3.11
Sheerness .....	22,672	11,258	2.01
Taber .....	58,950	9,336	6.31
Tofield .....	149,012	26,153	5.69
Wetaskiwin .....	159	25	6.03
Whitecourt .....	119	.....	.....
No Area .....	605	370	1.97
Total .....	3,378,200	738,989	4.57

## SUB-BITUMINOUS COAL FIELD.

Coalspur .....	645,370	149,219	4.33
Pekisko .....	2,189	235	9.31
Pincher .....	3,213	949	3.39
Saunders .....	89,726	17,700	5.07
Total .....	740,498	168,103	4.40

## BITUMINOUS COAL FIELD.

Brule .....	75,203	.....	.....
Cascade .....	283,587	63,312	4.48
Crow's Nest .....	1,639,343	147,164	11.14
Mountain Park .....	975,584	147,057	6.63
Nordegg .....	241,764	14,400	16.79
Total .....	3,215,481	371,933	8.64



## Estimated number of Shots fired for blasting coal:

## DOMESTIC COAL FIELD.

Areas	Electric Deton- ator	Electric Squibs	Fuse	Squibs	Total
Ardley .....	.....	.....	6,305	.....	6,305
Big Valley .....	.....	.....	2,631	667	3,298
Brooks .....	.....	.....	60	2,640	2,700
Camrose .....	333	.....	107	.....	440
Carbon .....	.....	.....	41,352	555	41,907
Castor .....	.....	.....	9,097	1,821	10,918
Champion .....	.....	.....	.....	7,939	7,939
Drumheller .....	21,456	40,390	237,615	.....	299,461
Edmonton .....	2,890	.....	80,701	.....	83,591
Gleichen .....	.....	.....	2,685	.....	2,685
Halcourt .....	.....	.....	1,387	.....	1,387
Lethbridge .....	81,218	56,500	13,240	7,546	158,504
Magrath .....	.....	.....	1,958	.....	1,958
Milk River .....	2,118	.....	.....	.....	2,118
Pakowki .....	.....	.....	424	140	564
Pembina .....	15,999	.....	.....	10	16,009
Redcliff .....	.....	.....	1,443	9,214	10,657
Sheerness .....	.....	.....	9,194	2,300	11,494
Taber .....	.....	.....	5,425	5,541	10,966
Tofield .....	.....	.....	15,208	.....	15,208
Wetaskiwin .....	.....	.....	50	.....	50
No Area .....	.....	.....	460	.....	460
Total .....	124,014	96,890	429,342	38,373	688,619

## SUB-BITUMINOUS COAL FIELD.

Coalspur .....	86,248	.....	601	.....	86,849
Pekisko .....	380	.....	.....	.....	380
Pincher .....	1,895	.....	.....	.....	1,895
Saunders .....	.....	.....	26,340	.....	26,340
Total.....	88,523	.....	26,941	.....	115,464

## BITUMINOUS COAL FIELD.

Brule .....	.....	.....	.....	.....	.....
Cascade .....	87,966	.....	.....	.....	87,966
Crow's Nest .....	130,378	.....	75	.....	130,453
Mountain Park .....	128,143	.....	.....	.....	128,143
Nordegg .....	19,543	.....	.....	.....	19,543
Total.....	366,030	.....	75	.....	366,105

## THE MINES BRANCH

Number of Miss-fire Shots recorded in blasting coal in the Province:

## DOMESTIC COAL FIELD.

Areas	Electric Deton- ator	Electric Squibs	Fuse	Squibs	Total
Ardley .....			19		19
Big Valley .....			3	16	19
Camrose .....	4		2		6
Carbon .....			35		35
Castor .....			24	10	34
Champion .....				6	6
Drumheller .....	6	82	276		364
Edmonton .....	8		129		137
Gleichen .....			18		18
Halcourt .....			8		8
Lethbridge .....	50	308	5	8	371
Magrath .....			8		8
Pakowki .....				1	1
Pembina .....			4		4
Redcliff .....			2	6	8
Sheerness .....			10	11	21
Taber .....			3		3
Tofield .....			48		48
Wetaskiwin .....			1		1
Total .....	68	390	595	58	1,111

## SUB-BITUMINOUS COAL FIELD.

Coalspur .....	74				74
Saunders .....			20		20
Total .....	74		20		94

## BITUMINOUS COAL FIELD.

Cascade .....	30				30
Crow's Nest .....	21				21
Mountain Park .....	64				64
Nordegg .....	3				3
Total .....	118				118



## THE MINES BRANCH

Estimated number of Shots fired for blasting rock in Coal Mines  
in the Province:

Areas	Electric Detonator	Electric Squib	Fuse	Squib	Total
Ardley .....	.....	.....	39	.....	39
Big Valley .....	.....	.....	15	.....	15
Brule .....	1,210	.....	.....	.....	1,210
Carbon .....	.....	.....	475	.....	475
Cascade .....	12,158	.....	.....	.....	12,158
Castor .....	.....	.....	148	.....	148
Champion .....	.....	.....	173	.....	173
Coalspur .....	4,697	.....	3,100	.....	7,797
Crow's Nest .....	23,783	.....	3,440	.....	27,223
Drumheller .....	8,762	.....	12,638	.....	21,290
Edmonton .....	.....	.....	1,266	.....	1,266
Halcourt .....	.....	.....	20	.....	20
Lethbridge .....	2,100	.....	.....	.....	2,100
Magrath .....	.....	.....	700	.....	700
Mountain Park .....	39,402	.....	.....	.....	39,402
Nordegg .....	927	.....	.....	.....	927
Pembina .....	.....	.....	10	.....	10
Saunders .....	.....	.....	1,865	.....	1,865
Taber .....	.....	.....	10	230	240
Total.....	92,929	.....	23,899	230	117,058

Number of Miss-Fire Shots recorded in blasting rock in Coal  
Mines in the Province:

Castor .....	.....	.....	4	.....	4
Crow's Nest .....	.....	.....	9	.....	9
Drumheller .....	10	.....	30	.....	40
Edmonton .....	.....	.....	1	.....	1
Lethbridge .....	11	.....	.....	.....	11
Magrath .....	.....	.....	1	.....	1
Mountain Park .....	25	.....	.....	.....	25
Saunders .....	.....	.....	6	.....	6
Total.....	46	.....	51	.....	97

## ELECTRICITY

The rules for the Installation and Use of Electricity in or about mines require a return to be made to the Department on or before January 15th of each year, giving size, type and any other particulars which may be required of electrical apparatus in use above and below ground. According to the returns received from the different mines electricity was used in 70 different mines in 1928. A summary of these returns regarding the horse-power of electrical apparatus in use is given below:

Areas	No. of Mines using Electricity	Horse-power of Electrical Apparatus in use		Total Horse-power
		Above Ground	Below Ground	
Ardley .....	1	.....	40	40
Big Valley .....	1	33	20	53
Brule .....	1	190	.....	190
Camrose .....	2	18	3	21
Carbon .....	3	74	162	236
Cascade .....	1	610	100	710
Coalspur .....	4	318 ½	113	431 ½
Crow's Nest .....	8	10,772 ½	1,550	12,322 ½
Drumheller .....	22	2,492	3,022	5,514
Edmonton .....	8	527	852	1,379
Lethbridge .....	6	1,050	531	1,581
Mountain Park .....	3	851	540	1,391
Nordegg .....	1	744	165	909
Pembina .....	2	126 ½	514 ½	641
Redcliff .....	2	100	90	190
Saunders .....	3	80 ½	180	260 ½
Taber .....	2	75	363	438
Total.....	70	18,062	8,246 ½	26,307 ½

A closer estimate of the extent to which electricity is used in the different areas may be made by considering the number of tons of coal raised per electrical horse-power employed in all mines under The Mines Act. The following table will give this information.

## TONS OF COAL PER ELECTRICAL HORSE-POWER EMPLOYED.

Areas	Tons of coal mined in 1928	Tons of Coal Mined		Total Above and Below Ground
		Above Ground	Below Ground	
Ardley .....	6,725	.....	168	168
Big Valley .....	9,089	276	454	171
Brooks .....	5,666	.....	.....	.....
Brule .....	75,203	395	.....	395
Camrose .....	43,905	2,439	14,635	2,091
Carbon .....	110,286	1,486	681	467
Cascade .....	283,587	465	.....	.....
Castor .....	34,100	.....	.....	.....
Champion .....	8,755	.....	.....	.....
Coalspur .....	645,370	2,026	5,711	1,496
Crow's Nest .....	1,639,343	152	1,058	133
Drumheller .....	1,487,483	596	492	269
Edmonton .....	452,671	850	531	329
Gleichen .....	3,289	.....	.....	.....
Halcourt .....	636	.....	.....	.....
Lethbridge .....	795,855	767	1,499	570
Magrath .....	598	.....	.....	.....
Milk River .....	1,104	.....	.....	.....
Mountain Park .....	975,584	1,146	1,281	702
Nordegg .....	241,764	325	1,465	266
Pakowki .....	1,917	.....	.....	.....
Pekisko .....	2,189	.....	.....	.....
Pembina .....	158,907	1,256	309	248
Pincher .....	3,213	.....	.....	.....
Redcliff .....	25,697	256	285	135
Saunders .....	89,726	1,114	498	344
Sheerness .....	22,672	.....	.....	.....
Taber .....	58,950	786	162	131
Tofield .....	149,012	.....	.....	.....
Wetaskiwin .....	159	.....	.....	.....
Whitecourt .....	119	.....	.....	.....
No Area .....	605	.....	.....	.....

## COAL-CUTTING MACHINERY.

Areas	No. of Machines operated by		Tons of Coal mined by	
	Electricity	Compressed Air	Electricity	Compressed Air
Ardley .....	1	....	3,649	.....
Big Valley .....	1	....	10,614	.....
Carbon .....	6	2	73,153	8,150
Castor .....	....	1	.....	740
Coalspur .....	4	9	25,167	64,952
Crow's Nest .....	....	219*	.....	251,900
Drumheller .....	72	4	1,474,493	8,500
Edmonton .....	19	....	312,776	.....
Lethbridge .....	1	97	900	794,443
Pembina .....	6	....	142,808	.....
Redcliff .....	3	3	14,754	10,766
Saunders .....	3	11	23,595	64,005
Taber .....	6	1	55,999	2,128
Total.....	122	347	2,137,908	1,205,584

\*Compressed air-operated picks.

## ACCIDENTS.

Summarized table showing Accidents occurring in mines from 1906 to 1928 inclusive:

Year	Output	Accidents			Tons of Coal mined per accident		
		Fatal	Serious	Slight	Fatal	Serious	Slight
1906 .....	1,385,000	10	11	20	138,500	125,909	60,250
1907 .....	1,834,745	19	18	68	96,565	101,930	26,981
1908 .....	1,845,000	11	38	13	167,727	48,552	141,923
1909 .....	2,174,329	9	42	18	241,952	51,769	120,796
1910 .....	3,086,757	61*	41	58	49,782	71,067	52,375
1911 .....	1,694,564	7	32	45	242,080	52,955	37,656
1912 .....	3,446,349	21	38	58	164,111	90,693	59,419
1913 .....	4,306,346	28	60	83	152,789	71,772	51,883
1914 .....	3,821,739	209†	44	50	18,286	86,857	76,434
1915 .....	3,434,891	18	33	33	190,827	104,087	104,087
1916 .....	4,638,604	20	51	34	232,430	91,149	136,723
1917 .....	4,863,414	24	62	39	202,642	78,442	124,703
1918 .....	6,148,620	22	60	77	279,483	102,477	79,860
1919 .....	5,022,412	21	56	54	239,162	89,685	93,008
1920 .....	6,908,923	29	53	38	238,733	130,371	181,814
1921 .....	5,937,195	21	64	25	282,721	92,769	237,488
1922 .....	5,976,432	35	38	35	170,755	157,274	170,755
1923 .....	6,866,923	22	44	10	312,133	156,066	686,692
1924 .....	5,203,713	21	42	40	247,796	123,898	130,093
1925 .....	5,883,394	30	59	56	196,113	99,718	105,060
1926 .....	6,508,908	39	67	119	166,398	97,148	54,696
1927 .....	6,936,780	26	76	115	266,799	91,273	60,320
1928 .....	7,334,179	28	71	122	261,935	103,298	60,166
Total .....	105,219,217	731	1,100	1,110	143,938	95,654	94,792

\*Including thirty-one deaths caused by the Bellevue Explosion.

†Including one hundred and eighty-nine deaths caused by the Hillcrest Explosion.

Accidents during 1928, classified according to the Coal Field in which they occurred:

Domestic .....	3,378,200	13	38	71	259,861	88,900	47,580
Sub-Bituminous .....	740,498	2	4	9	370,249	185,124	82,277
Bituminous .....	3,215,481	13	29	42	247,344	110,873	76,559

## Number of tons produced per accident:

## DOMESTIC COAL MINES.

Area	Output	Average No. of men employed	No. of tons produced per accident			
			Fatal	Serious	Slight	Total
Ardley .....	6,728	20	.....	.....	3,864	3,864
Big Valley .....	9,089	24	.....	.....	.....	.....
Brooks .....	5,666	8	.....	.....	.....	.....
Camrose .....	43,906	64	.....	.....	.....	.....
Carbon .....	110,286	165	110,286	55,143	27,571	15,755
Castor .....	34,100	67	.....	.....	8,775	8,775
Champion .....	8,755	17	.....	.....	.....	.....
Drumheller .....	1,487,483	1,909	297,496	78,288	51,292	28,066
Edmonton .....	452,671	640	.....	113,167	41,152	30,718
Gleichen .....	3,289	6	.....	.....	.....	.....
Halcourt .....	636	4	.....	.....	.....	.....
Lethbridge .....	795,855	1,378	397,927	79,585	49,741	28,423
Magrath .....	598	3	.....	.....	.....	.....
Milk River .....	1,104	5	.....	.....	.....	.....
Pakowki .....	1,917	6	.....	.....	.....	.....
Pembina .....	158,907	173	79,453	79,453	39,726	19,863
Redcliff .....	25,697	40	25,697	.....	25,697	12,848
Sheerness .....	22,672	40	.....	.....	.....	.....
Taber .....	58,950	137	58,950	58,950	.....	29,475
Tofield .....	149,012	112	149,012	.....	.....	149,012
Wetaskiwin .....	159	3	.....	.....	.....	.....
Whitecourt .....	119	3	.....	.....	.....	.....
No Area .....	605	4	.....	.....	.....	.....
Total.....	3,378,200	4,828	259,861	88,900	47,580	27,690

## SUB-BITUMINOUS COAL MINES.

Coalspur .....	645,370	663	322,685	322,685	80,671	53,781
Pekisko .....	2,189	5	.....	.....	.....	.....
Pincher .....	3,213	11	.....	.....	.....	.....
Saunders .....	89,726	143	.....	49,863	89,726	29,909
Total.....	740,498	822	370,249	185,124	82,277	49,366

## BITUMINOUS COAL MINES.

Brule .....	75,203	247	75,203	75,203	25,067	15,040
Cascade .....	283,587	288	.....	283,587	141,793	94,529
Crow's Nest .....	1,639,343	2,098	273,224	132,149	91,074	49,677
Mountain Park .....	975,584	883	243,896	97,585	88,689	39,028
Nordegg .....	241,764	345	120,882	30,220	30,220	13,431
Total.....	3,215,481	3,861	247,344	110,878	76,559	38,279

## THE MINES BRANCH

Classification of Accidents according to outputs of mines which produced during the year 1928:

	Under 1,000 tons	1,000 to 5,000	5,000 to 10,000	10,000 to 50,000	50,000 to 100,000	100,000 to 200,000	200,000 to 300,000	300,000 to 400,000	Over 500,000	Total
Fatal .....	.....	.....	1	4	5	5	4	8	1	28
Serious .....	.....	.....	2	11	7	16	12	16	7	71
Slight .....	3	5	4	28	16	23	11	22	10	122
Total.....	3	5	7	43	28	44	27	46	18	221

Number of tons of coal extracted per accident in mines which produced during the year 1928:

Fatal .....	.....	.....	81,744	196,457	192,453	300,813	312,378	253,488	542,588	261,899
Serious .....	.....	.....	.....	71,486	137,467	94,044	104,292	126,744	77,512	108,295
Slight .....	17,128	25,375	.....	28,065	60,142	65,394	113,773	92,177	54,258	60,116
Total.....	17,128	25,375	81,744	18,275	34,866	34,183	46,352	44,084	30,143	33,186



## FATAL ACCIDENTS DURING 1928.

Joseph Wasileoski, miner, January 3rd, in the mine operated by the Brazeau Collieries, Ltd., Nordegg; caused through being struck by run-away cars. He was standing in the entrance to slope, when a trip of empty cars, being lowered on the slope, became detached from the rope and running down the slope were derailed at the switch, throwing the car against him. The car crushed him against a timber, causing fractured pelvis, extensive lacerations of the perineum, punctuate wound of the abdomen and internal injuries, from the effects of which he died within two hours.

Dan Vuich, miner, January 30th, in the mine operated by the Blue Diamond Coal Co., Ltd., Brule Mines; caused through a fall of rock. He was working at the face of room high level when a fall of rock struck him on the left leg, causing a compound fracture, necessitating amputation. He was sent to the Royal Alexandra Hospital, Edmonton, where he died on February 1st from the effects of shock.

Kos Patrick, miner, February 6th, in the mine operated by the North American Collieries, Ltd., Coalhurst; caused through being run over by a loaded mine car. He was driving a horse, when in some manner he fell in front of the car, which was pulled on top of him. Fracture at the base of the skull and internal injuries, from the effects of which he died on February 17th.

Frederick G. Scott, timberman, February 16th, in the mine operated by the McGillivray Creek Coal & Coke Co., Ltd., near Coleman; caused through a fall of coal. He was placing timber when a fall of coal occurred, striking him on the back, knocking him down, his face striking the floor. Head bruised, face cut and internal injuries, from the effects of which he died in the hospital on February 25th.

James Halhead, miner, February 20th, in the mine operated by the Lakeside Coals, Ltd., near Wabamun; caused through a fall of coal and gravel. He was standing at the entrance to a cross-cut off the main entry when a driver was hauling a trip of empty cars. The last car became derailed, knocking out the bridge stick, which allowed the roof to cave, burying him with coal and gravel. He was dead when taken out some four hours later.

J. Odrech, driver, February 21st, in the mine operated by the Mountain Park Collieries, Ltd., Mountain Park; caused through his falling in front of a trip of loaded timber trucks. He was driving a horse hauling a trip of loaded timber trucks and fell in front of the trip, the first truck being pulled on top of him. He was found under the truck. Fractured skull and thigh, also internal injuries, from the effects of which he died at Edson, while being conveyed to the hospital in Edmonton.

E. W. Wood, railway car handler, February 22nd, at the mine operated by the Brazeau Collieries, Ltd., Nordegg; caused through his being caught in a capstan winch. He was in charge of a capstan winch, operated by electricity, hauling railway cars at the tippie, and in trying to guide the rope on the drum had his hand caught, and he was drawn around the drum. Right arm torn from body, neck and right knee fractured. He was dead when released from the drum.

Walter Bramley, miner, February 28th, in the mine operated by Joseph H. Oliphant, Carbon; caused through a fall of rock. He was working at the face of room, off the counter entry, taking down rock when a large piece of rock fell striking him on the back. First lumbar vertebrae crushed, from the effects of which he died in the hospital at Calgary on June 22nd.

Wm. S. Davis, craneman, April 4th, at the mine operated by the Coal Valley Mining Co., Ltd., Coal Valley, A.C.B.; caused through his being caught by a land slide. He was working as a craneman on a steam shovel, which was stripping the surface above the coal seam, when the bank slid and he was caught and crushed between the house and shovel machinery, causing instant death.

John Eno, examiner, April 24th, in the mine operated by the Newcastle Coal Co., Ltd., Drumheller; caused through being struck on the head by the bucket in the shaft. He was at the bottom of the shaft which was being sunk to the lower seam, when the bucket was being hoisted to the surface. He stepped across the shaft, when the bucket dropped back, striking him on the head, crushing him to the bottom of

the shaft. Both legs fractured and internal injuries, from the effects of which he died about half an hour later in the hospital, from shock.

E. K. Trafford, miner, April 26th, in the mine operated by the Mountain Park Collieries, Ltd., Mountain Park; caused through asphyxiation. He was working at the face of No. 2 west counter entry, and for some unknown reason wandered into the face of No. 63 raise off the main entry, where he was found dead. Death was caused through asphyxiation from C.H.4.

K. Shimizer, miner, May 3rd, in the mine operated by the North American Collieries, Ltd., Evansburg; caused through his being struck on the head by a piece of trolley guard. He was riding out to the shaft on a storage battery electric locomotive and struck his head against a piece of trolley guard, causing him to fall off and in front of the locomotive. Head injured, right arm broken at elbow, ribs bruised on right side, from the effects of which he died one hour later.

M. Koziec, miner, May 16th, in the mine operated by the International Coal & Coke Co., Ltd., Coleman; caused through a fall of rock in pillar workings. He was taking down cap rock, a piece of which fell, striking him on the leg, knocking him down, his head striking a prop. Compound fracture right leg below knee, laceration of scalp, injury to shoulder. He died 18 hours later from shock and loss of blood.

Mike A. Morris, driver, June 12th, in the mine operated by the C.P.R., Department of Natural Resources, Hardieville, near Lethbridge; caused through his being kicked by a horse. He was driving a horse hauling empty cars, and was found sitting by the side of the track in an unconscious condition, the cars being derailed. A post mortem disclosed that the main artery between the heart and liver had been severed by a fractured rib. The coroner's jury gave as their verdict that he had been kicked by the horse, causing the injuries from which he died.

Gideon Light, miner, June 21st, in the mine operated by The Foothills Collieries, Ltd., at Foothills, A.C.B.; caused through his being struck by a track tie on the slope. He was working along with other men repairing the main slope track. Two men were bringing a tie down the slope when they lost control of the timber about 230 feet from the bottom, and it slipped, striking Light on the leg and knocking him down, his head striking the floor, into some water. Fracture of frontal bone of skull, compound fracture of right leg, from the effects of which he died on being brought to the surface.

L. L. Johnson, foreman, August 15th, at the mine operated by the Eastern Alberta Coal Mines, Ltd., at Dodds; caused through the premature ignition of dynamite. He had gone to the magazine for some dynamite to blast the overburden above the coal in the strip pit. In some unknown manner the dynamite exploded while he was carrying it under his coat. There were three holes in the lower part of his body on the left side, also injuries to his left arm. He died about one hour after the accident.

Meredith Rowden, miner, September 11th, in the mine operated by the Midland Coal Mining Co., Ltd., at Midlandvale, near Drumheller; caused by a fall of rock in pillar workings. He was working at the face of pillar when a heavy fall of rock occurred burying him and causing instant death. His partner received injuries to his head and shoulder.

Steve Yavorek, miner, October 6th, in the mine operated by the Luscar Collieries, Ltd., at Luscar; caused through his being struck by a runaway trip on the slope. He was working on the main slope clearing up a cave. A trip of empty cars, which were being hoisted up the slope, broke away when near the top, and running down the slope struck him before he could get clear. Body crushed, the shock causing instant death.

Frank Kaufman, miner, October 11th, in the mine operated by the Superior Grade Coal Co., Ltd., near Wayne; caused through a fall of rock. He was working at the face of entry when a fall of rock occurred, striking him on the back, causing fracture of the spine. He died in the hospital in Calgary on October 15th.

Wm. Semcluk, timberman, October 29th, in the mine operated by the McGillivray Creek Coal & Coke Co., Ltd., near Coleman; caused through a fall of rock while replacing timber. He was putting up timber on the main slope where a cave had occurred, when a large piece of rock fell from the roof, striking him. Fractured thigh and pelvis with lacerations, from the effects of which he died four hours later.

Frank Pesko, driver, November 8th, in the mine operated by the Majestic Mines, Ltd., Taber; caused through falling in front of a loaded trip of mine cars. He was driving a horse hauling a trip of loaded cars, and was riding on the first car, which became derailed at the switch. He was thrown under the car, causing fracture of the skull, jaw and neck, resulting in instant death.

James Holmes, bratticeman, November 9th, in the mine operated by the West Canadian Collieries, Ltd., Bellevue; caused through being crushed between loaded car and side of entry. He erected brattice near the face of gangway, and was standing on a ladder. The miner pushed out a loaded car, which struck the ladder, causing Holmes to fall between the car and a pipe line on the side of entry. Crushed abdomen and thigh, double fracture of the pelvis, from the effects of which he died in the hospital on November 27th.

John Ellsworth, surface laborer, November 13th, in the mine operated by the Alberta Block Coal Co., Ltd., Drumheller; caused through his falling down the shaft. He intended putting a mine car onto the cage at the surface landing and omitted to see where the cage was. The cage at the time was at the shaft bottom; the car went down the shaft, he falling with it and onto the top of the cage; killed instantly.

George Lothian and John Labdek, miners, November 17th, in the mine operated by the International Coal & Coke Co., Ltd., Coleman; caused through asphyxiation by C.H.4. They were working on No. 188 chute off "A" level; the examiner, W. W. Nelson, while in their place, told them he was going into No. 187, which had been fenced off on account of C.H.4, and that he would be back. Nelson went into No. 187 and collapsed, and it is believed that Lothian and Labdek, through his not returning, went to look for him and became overcome. It would appear that they found Nelson, and were endeavoring to bring him out of the gas when they collapsed. Artificial respiration was applied to all three, but Lothian and Labdek did not respond. Nelson recovered after some considerable time.

Thomas Clark, driver, November 19th, in the mine operated by the Elgin Coal Co., Ltd., Drumheller; caused through falling in front of a loaded car. He was driving a horse hauling a loaded car on the main entry, which was on a down-grade. He apparently failed to place sufficient sprags in the wheels, and in attempting to stop the car he fell, the car running on top of him. Bruised thigh, leg and foot, also internal injuries, from the effects of which he died in the hospital on November 21st.

Matthew Hall, timber packer boss, December 22nd, in the mine operated by the Cadomin Coal Co., Ltd., Cadomin; caused through his being crushed between a prop and a hoist. He was engaged supervising the removal of a hoist engine, using a block and tackle. The rope had been removed to place on a post lower down the raise. He was standing on the hoist, which slipped, and he was crushed between the hoist and a prop, causing instant death.

The following accident occurred in a shale mine:

David Kerr, miner, August 9th, in the shale mine operated by the Redcliff Pressed Brick Co., Ltd., Redcliff; caused through his being caught by a fall of rock. He was squaring down the face of the place after a shot had been fired, when a large piece of rock fell from the face, knocking him down. Right arm fractured and internal injuries, from the effects of which he died 1½ hours later.

## THE MINES BRANCH

Accidents as they occurred by months during the year 1928:

Months	Above Ground				Below Ground				Total Above and Below Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
January .....			3	3	2	5	15	22	25
February .....	1		6	7	5	3	5	13	20
March .....			5	5		6	6	12	17
April .....	1	1	2	4	2	8	7	17	21
May .....			2	2	2	1	2	5	7
June .....					2	4	6	12	12
July .....		1	3	4		5	5	10	14
August .....	1	1	2	4	1	4	7	12	16
September .....			1	1	1	8	8	17	18
October .....			2	2	3	8	7	18	20
November .....		1	3	4	6	6	11	23	27
December .....		1	2	3	1	8	12	21	24
Total.....	3	5	31	39	25	66	91	182	221

Accidents occurring in the Province above and below ground during the year 1928:

Cause	Above Ground				Below Ground				Total Above and Below Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Haulage .....	1		3	4	9	17	25	51	55
Falls of rock .....					8	23	18	49	49
Falls of coal .....					1	16	18	35	35
Shot-firing .....	1		1	1			6	6	7
Timbering .....						1	3	4	4
Ignitions of gas .....						1	1	2	2
Asphyxiation .....					3		1	4	4
Coal-cutting machinery (electric) .....						1	6	7	7
Shaft accidents .....			2	2	2	3	1	6	8
Loading coal .....		1	3	4			5	5	9
Electricity .....			1	1					1
Stripping pit .....	1	1		2					2
R.R. cars .....		1	6	7					7
Miscellaneous .....		2	16	18	2	4	7	13	31
Total.....	3	5	31	39	25	66	91	182	221

Accidents occurring in the Province above and below ground for the year 1928, classified according to the area in which they occurred:

Area	Above Ground				Below Ground				Total Above and Below Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Ardley .....	.....	.....	1	1	.....	.....	1	1	2
Brule .....	.....	.....	1	1	1	1	2	4	5
Carbon .....	.....	.....	2	2	1	2	2	5	7
Cascade .....	.....	.....	1	1	.....	1	1	2	3
Castor .....	.....	.....	.....	.....	.....	.....	4	4	4
Coalspur .....	1	2	4	7	1	.....	4	5	12
Crow's Nest .....	.....	.....	7	7	6	9	11	26	33
Drumheller .....	.....	.....	1	1	5	19	28	52	53
Edmonton .....	.....	1	2	3	.....	3	9	12	15
Lethbridge .....	.....	1	5	6	2	9	11	22	28
Mountain Park .....	.....	1	2	3	4	9	9	22	25
Nordegg .....	1	.....	2	3	1	8	6	15	18
Pembina .....	.....	.....	3	3	2	2	1	5	8
Redcliff .....	.....	.....	.....	.....	1	.....	1	2	2
Saunders .....	.....	.....	.....	.....	.....	2	1	3	3
Taber .....	.....	.....	.....	.....	1	1	.....	2	2
Tofield .....	1	.....	.....	1	.....	.....	.....	.....	1
Total.....	3	5	31	39	25	66	91	182	221



	1	2	14	12	36	57	122
Loading coal, struck by piece of coal from chute .....			2				
Loading coal, slipped and fell onto lump of coal .....						1	1
Loading coal, piece of coal fell onto foot .....						2	1
Loading coal, piece of coal fell onto hand .....						1	1
Shaft accidents, struck by bucket in sinking shaft .....				1			
Shaft accidents, struck by cage in shaft .....			1		2		1
Shaft accidents, hand caught in chain on cage .....						1	2
Shaft accidents, fell down shaft .....				1			1
Miscellaneous:							
Kicked by horse when passing same in mine .....					1		1
Hand cut by axe which slipped when chopping .....					1		1
Hand cut by axe when passing timberman .....					1		1
Slipped off bench at face of room .....						1	1
R.R. cars, fell onto rail when running after car .....		1					
R.R. cars, fell off top of car .....			2				2
R.R. locomotive, foot crushed between lever and boiler .....			1				1
Slipped on rail when walking down coulee to mine .....			1				1
Slipped on rail when going to lamp-house .....			1				1
Tipped machinery, caught by belt when starting machinery .....		1					1
Tippie machinery, hand caught in engine .....			1				1
Hand caught in boiler coal chute .....			1				1
Struck by pole which slipped when being erected .....			1				1
Hand caught in circular saw .....			1				1
Total.....	1	2	14	12	36	57	122
SUB-BITUMINOUS.							
Rope haulage, slipped while lifting car .....			2				2
Manual haulage, slipped and fell against car .....						1	1
Fall of rock at longwall face .....					1		1
Fall of coal in pillar workings .....						1	1
Fall of coal at face of room .....					1		1
Ignition of gas by open light .....				1			1
Slope repairs, struck by timber sliding down slope .....						1	1
Chute loading, struck by piece of coal .....						1	1
Slipped in raise .....							
Loading coal in R.R. car, hand jammed by lumps of coal .....			1				1
Loading coal in R.R. car, crushed between loader and door of car .....		1					1
Stripping pit, struck by lump of coal from bucket .....		1					1
Stripping pit, struck by slide of rock .....	1						1
Slipped and fell in power house .....			1				1
Total.....	1	2	4	1	2	5	15

**SUB-BITUMINOUS.**

Rope haulage, slipped while lifting car						2
Manual haulage, slipped and fell against car						1
Fall of rock at longwall face					1	1
Fall of coal in pillar workings					1	1
Fall of coal at face of room					1	1
Ignition of gas by open light						1
Slope repairs, struck by timber sliding down slope					1	1
Chute loading, struck by piece of coal					1	1
Slipped in raise						1
Loading coal in R.R. car, hand jammed by lumps of coal					1	1
Loading coal in R.R. car, crushed between loader and door of car				1		1
Stripping pit, struck by lump of coal from bucket				1		1
Stripping pit, struck by slide of rock				1		1
Slipped and fell in power house					1	1
Total.....	1	2	4	1	2	16

## THE MINES BRANCH

## BITUMINOUS.

Cause	Above Ground			Below Ground			Total
	Fatal	Serious	Slight	Fatal	Serious	Slight	
Rope haulage, caught between cars when uncoupling same .....	.....	.....	.....	.....	.....	2	2
Rope haulage, hand caught between rope and drum .....	.....	.....	.....	.....	1	2	3
Rope haulage, struck by shackle .....	.....	.....	.....	.....	.....	1	1
Rope haulage, struck by runaway empty cars .....	.....	.....	.....	2	.....	.....	2
Rope haulage, struck by piece of coal off cars .....	.....	.....	.....	.....	.....	1	1
Rope haulage (McGinty), struck by loaded cars when rope broke .....	.....	.....	.....	.....	1	.....	1
Rope haulage (McGinty), struck by empty cars .....	.....	.....	.....	.....	.....	.....	1
Rope haulage, caught in crab winch moving R.R. cars .....	1	.....	.....	.....	.....	.....	1
Electric haulage (storage battery), arm caught between locomotive and car .....	.....	.....	.....	.....	.....	.....	1
Compressed air locomotive haulage, slipped when coupling car to locomotive .....	.....	.....	.....	.....	1	.....	1
Compressed air locomotive haulage, slipped while replacing derailed car .....	.....	.....	.....	.....	.....	1	1
Horse haulage, wheel of truck ran over foot .....	.....	.....	.....	.....	.....	1	1
Horse haulage, arm caught between top of car and timber .....	.....	.....	.....	.....	1	.....	1
Horse haulage, fell under timber truck .....	.....	.....	.....	1	.....	.....	1
Horse haulage, crushed between car and side of entry .....	.....	.....	.....	.....	1	.....	1
Horse haulage, fell between cars when spragging same .....	.....	.....	.....	.....	.....	1	2
Horse haulage, bone in foot broken by rock falling off car .....	.....	.....	1	.....	.....	.....	1
Manual haulage, crushed between car and pipe line on side of entry .....	.....	.....	.....	1	.....	.....	1
Manual haulage, fingers crushed between car wheel and rail .....	.....	.....	.....	.....	.....	1	1
Fall of rock at face of rock tunnel .....	.....	.....	.....	.....	1	.....	1
Fall of rock at face of room .....	.....	.....	.....	1	4	1	6
Fall of rock in pillar workings .....	.....	.....	.....	1	2	.....	3
Fall of rock at face of slope .....	.....	.....	.....	.....	.....	1	1
Fall of rock on angle .....	.....	.....	.....	.....	.....	1	1
Fall of rock while timbering on entry .....	.....	.....	.....	.....	1	.....	1
Fall of rock while timbering on slope .....	.....	.....	.....	1	.....	.....	1
Fall of coal at face of entry .....	.....	.....	.....	.....	1	.....	1
Fall of coal at face of room .....	.....	.....	.....	.....	4	.....	4
Fall of coal in angle .....	.....	.....	.....	.....	.....	.....	1
Fall of coal in pillar workings .....	.....	.....	.....	.....	3	.....	3
Fall of timber when erecting same .....	.....	.....	.....	1	.....	.....	1
Asphyxiation by C.H. <sub>4</sub> .....	.....	.....	.....	3	.....	.....	3
Shot-firing, premature ignition .....	.....	.....	.....	.....	.....	1	1
Shaft sinking, arm caught between timber and hoist cable .....	.....	.....	.....	.....	1	.....	1
Moving hoist, crushed between hoist and timber .....	.....	.....	.....	1	.....	.....	1
Slipped off bench at face of room .....	.....	.....	.....	.....	.....	.....	1
Pick slipped, eye punctured by pick point .....	.....	.....	.....	.....	1	.....	1
Timbering, fell off top of car, ribs fractured .....	.....	.....	.....	.....	1	1	1



Timbering, struck by falling axe .....	1	13	12	28	29	84
Struck by falling timber .....	1					
Road making, finger broken by piece of rock .....					1	
Unloading timber, leg broken by timber falling off car .....					1	
Tippie machinery, hand caught between belt and pulley .....	1					
Tippie machinery, hand caught between conveyor and piece of rock .....	1					
Tippie machinery, caught in rotary dump .....	1					
Tippie machinery, caught between cars when uncoupling .....	1					
R.R. cars, struck by lump of coal in box car .....	1					
R.R. cars, hand caught between chute and car door .....	1					
R.R. cars, slipped off top of car .....	1					
Slipped and fell down washhouse steps .....	1					
Hand crushed between log and wall of tippie .....	1					
Foot crushed by block falling out of chute .....	1					
Helping on R.R., foot crushed by rail .....	1					
Slipped and fell off bench on tippie .....	1					
Total.....	1	1	13	12	28	84

## THE MINES BRANCH

Accidents during 1928, classified according to the mines in the Domestic Field in which they occurred:

Name of Operator	Area	Above Ground			Below Ground			Total Above and Below Ground
		Fatal	Serious	Slight	Fatal	Serious	Slight	
Carbondale Coals, Ltd.	Ardley	...	...	1	...	...	1	2
Peerless Carbon Collieries Ltd.	Carbon	...	...	2	...	...	...	2
J. H. Oliphant	Carbon	...	...	...	1	...	...	2
Fox Coal Co.	Carbon	...	...	...	...	1	...	1
Palisade Coal Mining Co., Ltd.	Carbon	...	...	...	...	...	...	1
G. H. Manson	Castor	...	...	...	...	1	...	1
A. G. Rodway	Castor	...	...	...	...	...	...	1
A. D. McCormack	Castor	...	...	...	...	...	...	1
D. L. Gordon	Castor	...	...	...	...	1	...	1
Newcastle Coal Co., Ltd.	Drumheller	...	...	...	...	...	...	1
Rosedale Coal Co., Ltd.	Drumheller	...	...	...	...	2	...	6
Rose-Deer Coal Mining Co., Ltd.	Drumheller	...	1	...	...	...	...	2
Midland Coal Mining Co., Ltd.	Drumheller	...	...	...	...	3	...	6
J. D. Thomas Coal Company	Drumheller	...	...	...	...	4	...	8
Great West Coal Co., Ltd.	Drumheller	...	...	...	...	...	...	1
Alberta Block Coal Co., Ltd.	Drumheller	...	...	...	1	2	...	6
Sovereign Coal Mining Co., Ltd.	Drumheller	...	...	...	...	...	...	1
Jewel Collieries, Ltd.	Drumheller	...	...	...	...	3	...	4
Atlas Coal Co., Ltd.	Drumheller	...	...	...	...	2	...	1
Caledonian Collieries, Ltd.	Drumheller	...	...	...	...	1	...	3
Excelstor Collieries, Ltd.	Drumheller	...	...	...	...	...	...	1
Superior Grade Coal Co., Ltd.	Drumheller	...	...	...	...	...	...	3
Hy-Grade Coal Co. of Drumheller, Ltd.	Drumheller	1	...	...	...	1	...	2
Newcastle Junior Mining Co., Ltd.	Drumheller	...	...	...	...	...	...	1
Elgin Coal Co., Ltd.	Drumheller	...	...	...	1	...	...	4
Ideal Coal Co., Ltd.	Drumheller	...	...	...	...	...	...	1
Fraser-Mackay Collieries, Ltd.	Drumheller	...	...	...	...	...	...	1
The Great West Coal Co., Ltd.	Edmonton	...	...	1	...	...	...	1
Penn Mines, Ltd.	Edmonton	...	...	...	...	...	...	1
Dawson Coal Co., Ltd.	Edmonton	...	...	...	...	1	...	6
Sturgeon Valley Collieries, Ltd.	Edmonton	...	...	...	...	...	...	1
Marcus Coals, Ltd.	Edmonton	...	...	...	...	1	...	1
Mrs. A. J. Davidson	Edmonton	1	...	...	...	...	...	2
Rush Mines, Ltd.	Edmonton	...	...	...	...	...	...	1
Mike Sinoski	Edmonton	...	...	...	...	1	...	1
Canadian Pacific Railway, Dept. of Natural Resources	Lethbridge	...	...	...	...	...	...	1
C. S. Donaldson Coal Company	Lethbridge	...	1	...	...	4	...	5
Consolidated Diamond Collieries, Ltd.	Lethbridge	...	...	2	...	...	...	1
North American Collieries, Ltd.	Lethbridge	...	...	...	...	5	...	7
Coal Producers, Ltd.	Lethbridge	1	...	...	...	2	...	3
City of Lethbridge	Lethbridge	...	...	...	...	2	...	2
Royal Lethbridge Collieries	Lethbridge	...	...	...	...	1	...	2
Cadillac Coal Co., Ltd.	Lethbridge	...	...	1	...	...	...	1

North American Collieries, Ltd.	...	...	...	1	1	1	1	1	1	2	1	3
Coal Producers, Ltd.	...	...	...	2	2	...	...	...	...	...	1	3
Lakeside Coals, Ltd.	...	...	...	...	...	...	...	...	...	...	2	2
Redcliff Brick & Coal Co., Ltd.	...	...	...	...	...	...	...	...	...	...	1	1
Redcliff Pressed Brick Co., Ltd.	...	...	...	...	...	...	...	...	...	...	1	1
Majestic Mines, Ltd.	...	...	...	...	...	...	...	...	...	...	2	2
Eastern Alberta Coal Mines, Ltd.	...	...	...	...	...	...	...	...	...	...	...	1
Pembina	...	...	...	...	...	...	...	...	...	...	...	...
Pembina	...	...	...	...	...	...	...	...	...	...	...	...
Redcliff	...	...	...	...	...	...	...	...	...	...	...	...
Taber	...	...	...	...	...	...	...	...	...	...	...	...
Tofield	...	...	...	...	...	...	...	...	...	...	...	...

Total	1	2	14	17	12	36	57	105	122
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Accidents during 1928, classified according to the mines in the Sub-Bituminous Coal Field in which they occurred:

The Coalspur Collieries, Ltd.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...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Accidents during 1928, classified according to the mines in the Bituminous Coal Field in which they occurred:

Blue Diamond Coal Co., Ltd.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...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## LIST OF PROSECUTIONS UNDER THE MINES ACT DURING THE YEAR ENDING DECEMBER 31, 1928.

Mine in which contravention was committed.	Description of Defendant	Offence Charged	Result of Proceedings	Penalty	Costs
Brazeau Collieries, Ltd.	Rope rider	Sending trip down slope with faulty coupling hook.	Convicted	Fined \$10 or 30 days hard labor	\$ 4.00
Cascade Coal Company	Miner	Did go to work before the part of the mine and roadways leading thereto had been inspected and reported to be safe	Convicted	Remanded for sentence for 3 weeks	.....
Cascade Coal Company	Miner	Failed to register before commencing work.	Charge withdrawn		
Cascade Coal Company	Owner	Failed to have recorded in book times of raising and lowering of workmen from mine	Convicted	Fined \$1.00	3.25
Cascade Coal Company	Owner	Failed to have recorded in book name, etc., of every person employed in connection with the mine	Convicted	Fined \$1.00	3.25
Cascade Coal Company	Owner	Did permit explosives to be taken into mine in a canister containing more than 5 pounds	Convicted	Fined \$1.00	3.25
Cascade Coal Company	Owner	Operated mine without having an overman in charge	Convicted	Fined \$50.00 or 30 days	3.75
Cascade Coal Company	Mine laborer	Failed to register before commencing work.	Charge withdrawn		
Cascade Coal Company	Mine laborer	Did go to work before the part of the mine and roadways leading thereto had been inspected and reported to be safe	Convicted	Warning	.....
West Canadian Collieries, Ltd. (Greenhill)	Miner	Did take explosives in the mine in an insecure canister	Convicted	Fined \$5.00	3.80
West Canadian Collieries, Ltd. (Greenhill)	Miner	That he did take into the washhouse located at the above mine explosives in contravention to the Mines Act	Convicted	No fine	3.50
Ant Hill Coal Company	Overman	Storing powder in mine	Convicted	Fined \$1.00	2.25
Joseph Hodgson & Son.	Overman	Storing powder in mine	Convicted	Fined \$1.00	2.25
North American Collieries, Ltd. (Coalhurst)	Miner	Failed to take out powder left over at end of shift.	Convicted	Fined \$1.00	3.75
North American Collieries, Ltd. (Coalhurst)	Miner	Failed to take out powder left over at end of shift.	Convicted	Fined \$1.00	3.75
Rosedale Coal Co., Ltd.	Examiner	Failed to enter in book at the mine for the purpose the cause of workman being below ground in the mine for a longer period than the time allowed by The Mines Act	Convicted	Fined \$10.00	3.75
Caledonian Collieries, Ltd.	Miner	Unlawfully charged a second shot-hole with explosive before first was fired, said two shot-holes being so close together as to make it possible that the firing of first would relieve the work to be done by second, contrary to the Mines Act	Convicted	Fined \$25.00	5.20

Caledonian Collieries, Ltd.	Miner	Unlawfully fired two shots at one time in working face in coal of mine, contrary to The Mines Act	Convicted	Fined \$25 and 14 days' hard labor	3.55
Coalspur Collieries, Ltd.	Operator	Failed to pay wages	Convicted	Fined \$100 and costs	5.85
Mountain Park Collieries, Ltd.	Examiner	Fired two shots where coal was not well prepared and shots not properly placed	Convicted	Fined \$10	5.50
Canmore Coal Co., Ltd.	Miner	Unlawfully left a can of powder in No. 2 mine, 9 pillar 16 slope Stewart seam	Convicted	Fined \$2 and costs	16.80
Canmore Coal Co., Ltd.	Miner	Unlawfully sent out car of coal containing can of powder from No. 2 mine	Not convicted	Nil	Nil
Canmore Coal Co., Ltd.	Miner	Unlawfully sent out car of coal containing can of powder from No. 2 mine	Not convicted	Nil	Nil
Canmore Coal Co., Ltd.	Miner	Unlawfully sent out car of coal containing can of powder from No. 2 mine	Not convicted	Nil	Nil
Canmore Coal Co., Ltd.	Miner	Unlawfully sent out car of coal containing can of powder from No. 2 mine	Not convicted	Nil	Nil
Canmore Coal Co., Ltd.	Miner	Unlawfully left can containing powder in No. 2 mine Stewart seam	Convicted	Fined \$2 and costs	16.80
Mountain Park Collieries, Ltd.	Shot-lighter	Fired shots in face of No. 2 West level without examining all places within a radius of 60 feet.	Convicted	Fined \$20	4.50
Banner Coal Co., Ltd.	Mine manager	Allowed man in mine before making inspection.	Convicted	Fined \$25 or 60 days' hard labor	2.25
Banner Coal Co., Ltd.	Mine manager	Failed to make inspection before commencing shift.	Convicted	Fined \$5.00 or 10 days' hard labor	10.25
Thomas McKinley	Overman	Employed man at working face without certificate as miner	Convicted	Fined \$1.00	Nil
Thomas McKinley	Overman	Allowed men in mine before making inspection.	Convicted	Fined \$1.00	Nil
McGillivray Creek Coal & Coke Co., Ltd.	Overman	Not making inspection before shift began.	Convicted	Fined \$1.00	4.00
D. Medloski	Bucker	Had one lucifer match in his possession while underground	Not tried	Nil	Nil
D. Medloski	Operator	Failed to produce up-to-date plan of mine as required	Convicted	Fined \$5.00	2.75
D. Medloski	Operator	Failed to record report of inspection of mine before commencing work	Convicted	Fined \$5.00	2.75
D. Medloski	Operator	Failed to provide communication between two outlets from mine as required	Convicted	Fined \$1.00	Nil
D. Medloski	Operator	Failed to produce register of times of workmen entering and leaving mine as required	Convicted	Fined \$1.00	Nil
D. Medloski	Operator	Failed to produce record of ventilation of mine as required	Convicted	Fined \$1.00	Nil
D. Medloski	Operator	Failed to produce register of employees as required	Convicted	Fined \$1.00	Nil
D. Medloski	Operator	Failed to post copy of The Mines Act conspicuously	Convicted	Fined \$1.00	Nil
D. Medloski	Operator	Failed to provide proper First Aid supplies	Convicted	Fined \$1.00	Nil
D. Medloski	Operator	Failed to produce record of miss-shots as required	Convicted	Fined \$1.00	Nil
West Canadian Collieries, Ltd. (Greenhill Mine)	Examiner and Shot-firer	Fired shot by battery or electric firer which was not approved by Chief Inspector	Convicted	Fined \$25 and costs	5.00

## THE MINES BRANCH

LIST OF PROSECUTIONS UNDER THE MINES ACT DURING THE YEAR ENDING DECEMBER 31, 1928—(Continued)

Mine in which contravention was committed.	Description of Defendant	Offence Charged	Result of Proceedings	Penalty	Costs
J. D. Thomas Coal Company.....	Examiner .....	Failed to see bore-hole was well cleaned before loading same with explosive for shot.....	Convicted .....	Fined \$10 .....	\$ 3.75
Hillcrest Collieries, Ltd. ....	Driver .....	Committed an act in the mine which was likely to cause danger to mine or persons .....	Case withdrawn .....	Fined \$5.00 and costs or 30 days .....	.....
Hillcrest Collieries, Ltd. ....	Driver .....	Had one match in his possession while in the mine .....	Convicted .....	.....	15.75
West Canadian Collieries, Ltd. ....	Miner .....	Did couple up shot-firing cable to a detonator of a shot .....	Convicted .....	Costs or 14 days' hard labor .....	3.65
West Canadian Collieries, Ltd. ....	Miner .....	Did couple up shot-firing cable to a detonator of a shot .....	Convicted .....	Costs or 14 days .....	3.65
West Canadian Collieries, Ltd. ....	Miners .....	Three miners—they did leave man-trip while it was in motion contrary to manager's orders.....	Convicted .....	Fined \$2 each .....	\$2.25 ea.
Cadomin Coal Co., Ltd. ....	Operator .....	Failed to send to Minister plan of workings to abandonment .....	Convicted .....	To furnish plan in 30 days .....	Nil
Ernest Steen .....	Miner .....	Had cigarette papers, smoking tobacco and three matches while in the mine .....	Convicted .....	Fined \$15 .....	Nil
Foothills Collieries, Ltd. ....	Miner .....	Had in his possession safety lamp in unsafe condition .....	Convicted .....	Fined \$5 and costs or 14 days .....	3.50
R. E. Marlow .....	Miner .....	Having in his possession safety lamp in unsafe condition .....	Convicted .....	Fined \$5 and costs or 14 days .....	3.50
R. E. Marlow .....	Operator and Overman .....	Failed to inspect safety lamps before allowing same in mine in unsafe condition .....	Convicted .....	Fined \$15 and costs or 30 days .....	5.90
Consolidated Diamond Collieries, Ltd. ....	Owner .....	Employed men at coal face without miners' certificates .....	Convicted .....	Fined \$10 .....	4.10
Consolidated Diamond Collieries, Ltd. ....	Examiner .....	Failed to make true report of condition of mine re ventilation .....	Convicted .....	Fined \$10 or 10 days....	4.10
Consolidated Diamond Collieries, Ltd. ....	Manager and Overman .....	Failed to maintain ventilation in good and proper order to ensure adequate amount of air at each place where men employed .....	Convicted .....	Fined \$25 or 15 days .....	4.10

Number of Mines opened, abandoned and re-opened according to areas and kind of coal during the year:

Area	Number	Character of Coal	No. of Mines in operation Dec. 31, '28	Mines opened during year	Mines abandoned during year	Mines re-opened during year	Mines closed but not abandoned	Name and Address of District Inspector of Mines
Ardley .....	1	Domestic .....	8	...	1	2	4	B. Nugent, Camrose, Alta. Tele. No. 72.
Big Valley .....	2	Domestic .....	5	1	1	1	3	
Camrose .....	5	Domestic .....	6	...	3	...	...	
Carbon .....	6	Domestic .....	17	1	1	2	1	
Castor .....	8	Domestic .....	37	...	5	4	4	
Edmonton .....	15	Domestic .....	28	2	3	1	2	
Halcourt .....	18	Domestic .....	22	...	2	...	2	
Tofield .....	42	Domestic .....	5	...	...	...	...	
Wetaskiwin .....	45	Domestic .....	...	...	...	...	1	
Whitcourt .....	46	Domestic .....	...	...	1	...	...	
No Area .....		Domestic .....	2	1	...	...	...	J. B. deHart, Lethbridge, Alta. Tele. No. 3325.
Brooks .....	3	Domestic .....	2	...	...	...	...	
Champion .....	9	Domestic .....	8	...	...	...	1	
Lethbridge .....	20	Domestic .....	17	...	2	1	...	
Magrath .....	21	Domestic .....	2	2	2	...	...	
Milk River .....	22	Domestic .....	2	...	3	...	...	
Pakowki .....	28	Domestic .....	5	...	1	...	...	
Pekisko .....	30	Sub-Bituminous .....	1	...	3	...	2	
Redcliff .....	34	Domestic .....	2	...	...	...	...	
Taber .....	41	Domestic .....	12	...	2	1	2	
Brule .....	4	Bituminous .....	...	...	1	...	...	Thos. Horne, Edson, Alta. Tele. 35, Residence.
Coalspur .....	11	Sub-Bituminous .....	8	...	2	1	1	
Mountain Park .....	24	Bituminous .....	3	...	...	...	...	
Pembina .....	31	Domestic .....	3	1	...	...	1	
West Crs. Nt.....	12	Bituminous .....	6	...	...	...	...	Moses Johnson, Blairmore. Tele. No. 70.
Cascade .....	7	Bituminous .....	2	...	...	...	...	W. G. Heeley, Blairmore, Alta. Tele. No. 70.
East Cros. Nt. ....	13	Bituminous .....	6	...	2	...	...	
Nordegg .....	25	Bituminous .....	1	...	...	...	...	
Pincher .....	32	Sub-Bituminous .....	4	...	1	1	2	
Saunders .....	36	Sub-Bituminous .....	3	...	...	...	...	A. B. Hunter, Drumheller, Alta. Tele. No. 413.
Drumheller .....	14	Domestic .....	33	6	3	3	4	
Gleichen .....	17	Domestic .....	3	...	1	2	2	
Sheerness .....	38	Domestic .....	14	...	2	...	1	
Steveville .....	40	Domestic .....	...	...	1	...	...	
Total .....			247	14	42	19	34	

In addition to the above, Mr. James A. Richards, 11009 89th Ave., Edmonton, is acting in the capacity of General District Inspector of Mines, Telephone No. 32662.

## THE MINES BRANCH

## BOARD OF EXAMINERS.

The constitution of the Board during the year 1928 was as follows:  
As representing:

- (a) The Mine Inspectorate:  
James A. Richards, Acting Chief Inspector of Mines.
- (b) Managers:  
Norman Fraser, Robert Livingstone.
- (c) Working Miners:  
William Lammie, Evan Morgan.  
Secretary: Jas. A. Richards.

Examinations were held during the year as follows: For First and Second Class Certificates of Competency on June 6, 7, and 8, at Blairmore, Edmonton, Lethbridge, Drumheller, Nordegg and Cadomin.

For Third Class Certificates of Competency at Blairmore, Canmore, Cadomin, Edmonton, Lethbridge and Drumheller on May 8th.

For Mine Surveyors' Certificates of Competency on June 8, at Lethbridge, Edmonton and Cadomin.

Nineteen candidates presented themselves for examination for First Class Certificates, of whom three were successful. Thirteen candidates presented themselves for examination for Second Class Certificates, of whom seven were successful. Fifty-three candidates presented themselves for examination for Third Class Certificates, of whom 45 were successful. Three candidates presented themselves for Mine Surveyors' Certificates, of whom none were successful.



The following is a list of names of persons to whom Final Certificates of Competency under The Mines Act, were granted during the year 1928:

## FIRST CLASS.

Name	Address	Cert. No.	Date of Issue
Wilson, William .....	Edmonton .....	72	18- 7-28
Whittaker, William C.....	Nordegg .....	74	29- 7-28
Yates, Frank .....	Michel, B.C. ....	73	29- 7-28

## SECOND CLASS.

Davey, George .....	Rosedale .....	209	29- 7-28
Martin, Henry, Sr. ....	Saunders .....	203	29- 2-28
Millar David .....	Mercoal .....	204	19- 7-28
Miller, John K. ....	Drumheller (Duplicate)....	210	24-11-28
Rappel, Thomas .....	Canmore .....	206	19- 7-28
Smith, Terence .....	Beverly .....	205	19- 7-28
Talbot, W. J. ....	Clover Bar .....	207	29- 7-28
Thackray, Fred .....	Lethbridge .....	208	29- 7-28

## THIRD CLASS.

Aitken, William .....	Mountain Park .....	668	24- 3-28
Allanby, Charles H. ....	Foothills .....	679	19- 7-28
Armstrong, Alex. ....	Drumheller .....	697	16- 8-28
Burton, James .....	Edmonton .....	670	19- 7-28
Brown, William .....	Canmore .....	676	19- 7-28
Bradshaw, James .....	Scapa .....	690	16- 8-28
Bailey, Leonard H. ....	Coalhurst .....	699	16- 8-28
Brodereck, Frederick .....	Drumheller .....	702	24-10-28
Cumberford, James .....	Drumheller .....	672	19- 7-28
Cartledge, George F. ....	Aerial .....	673	19- 7-28
Carmichael, Malcolm .....	Canmore .....	684	1- 8-28
Dixon, John O. ....	High River .....	698	16- 8-28
Horne, Thomas, Jr. ....	Luscar .....	687	1- 8-28
Hart, James J. ....	Coleman .....	692	16- 8-28
Hall, Robert .....	Canmore .....	703	24-11-28
Jones, Elias .....	Coleman .....	680	1- 8-28
Johnson, Thomas .....	Drumheller .....	696	16- 8-28
Lazzarotto, Peter .....	Picture Butte .....	682	1- 8-28
Lammie, Robert .....	Beverly .....	694	16- 8-28
Metcalfe, Joseph W. ....	Drumheller .....	666	16- 1-28
Musgrove, Henry B. ....	Canmore .....	674	19- 7-28
Muncy, Howard C. ....	Foreman .....	693	16- 8-28
McCormack, Angus D. ....	Castor .....	675	19- 7-28
Macaulay, John C. ....	Coalhurst .....	678	19- 7-28
MacDonald, Clyde P. ....	Bellevue .....	685	1- 8-28
Niskanen, Herman .....	Canmore .....	671	19- 7-28
Powell, John E. ....	Newcastle Mine P.O. ....	700	22- 8-28
Ray, William J. ....	Hillcrest .....	669	22- 4-28
Rees, Ernest .....	Hillcrest .....	686	1- 8-28
Rochester, John J. ....	Carbon .....	689	1- 8-28
Rolfe, Emrys .....	Hillcrest .....	691	16- 8-28
Russell, William C. ....	Drumheller .....	705	24-11-28
Stewart, George W. ....	Nordegg .....	667	16- 1-28
Shandruk, Henry K. ....	Edmonton .....	695	16- 8-28
Steven, Robert .....	Banff .....	701	22- 8-28
Thomson, William .....	Edmonton .....	683	1- 8-28
Thomas, Edward J. ....	Drumheller .....	706	24-11-28
Unsworth, Robert J. ....	Scapa .....	704	24-11-28
White, Harry J. ....	Coalhurst .....	677	19- 7-28
Woolfney, Karl .....	Bellevue .....	681	1- 8-28
Wiltse, Donald H. ....	Forestburg .....	688	1- 8-28

## THE MINES BRANCH

## LIST OF MINES.

Mines operating, opened, closed, abandoned and re-opened during 1928:

Mine No.	Operator	Address	District No.	Location S.T.P. Rge. M.	Character of Coal	Date of		
						Open- ing	Closing	Abandon- ment
443	Anderson, William J.	Sheerness	38	L.S. 1	12-29-13-4 Domestic	1914	.....	.....
620	Alberta Block Coal Co., Ltd.	Drumheller	14	N.W. ¼	3-29-20-4 Domestic	1915	.....	.....
672	Annon, Dominic	Winnifred	41	L.S. 3	27-12-10-4 Domestic	1916	.....	.....
684	Atlas Coal Co., Ltd.	Drumheller	14	L.S. 2	10-29-20-4 Domestic	1917	.....	.....
756	Alexo Coal Co., Ltd.	Saunders W.	36	L.S. 16	23-40-13-5 Sub-Bituminous	1918	.....	.....
852	Alexo Coal Co., Ltd.	Alexo	36	L.S. 11	27-40-13-5 Sub-Bituminous	1920	.....	.....
1000	Allen, Ralph	Rakirk	8	L.S. 11	16-37-18-4 Domestic	1922	31-12-27	.....
1039	Anderson, Lawrence	Craigmyle	38	L.S. 2	3-38-16-4 Domestic	1922	.....	.....
1206	Armstrong, John	Castor	8	N.W. ¼	3-38-16-4 Domestic	1923	.....	.....
1239	Alberta Canadian Collieries, Ltd.	Lovett	11	L.S. 15	34-37-14-4 Domestic	1923	.....	.....
1244	Anthracte Collieries (Wheatley Bros.)	Banff	7	L.S. 2	10-47-13-5 Sub-Bituminous	1926	1-2-27	1928
1276	Albion Coal Co., Ltd.	Drumheller	14	L.S. 8	4-26-11-5 Bituminous	1926	.....	.....
1278	Atlas Coal Co., Ltd.	Drumheller	14	L.S. 8	6-28-18-4 Domestic	1928	1-2-28	.....
1279	Arcadia Coal Co., Ltd.	Drumheller	14	L.S. 16	29-27-18-4 Domestic	1928	.....	.....
29	Berude, Mrs. Mary	Strathcona	15	L.S. 11	7-28-18-4 Domestic	1928	.....	.....
72	Blackfoot Indians	Gleichen	17	Indian Reserve	25-51-25-4 Domestic	1897	.....	.....
245	Bish Bros. & LeGear	Forestburg	8	L.S. 13	36-40-16-4 Domestic	1902	.....	.....
256	Brazeau Collieries, Ltd.	Nordeg	25	L.S. 13	22-40-15-5 Bituminous	1910	.....	.....
388	Bighorn & Saunders Creek Collieries, Ltd.	Saunders	36	N.E. p	24-40-13-5 Sub-Bituminous	1913	.....	.....
429	Blue Diamond Coal Co., Ltd.	Brule Mines	4	L.S. 1	16-50-27-5 Bituminous	1914	.....	.....
476	Blusson, Ronald H.	Champion	9	L.S. 9	33-15-23-4 Domestic	1915	3-1-28	.....
486	Brown, Ted	Hanna	38	L.S. 3	29-32-13-4 Domestic	1915	.....	.....
646	Bradshaw, James	Scapa	38	L.S. 1	1-34-14-4 Domestic	1916	.....	.....
689	Bradgich, George	Thelma	29	L.S. 5	18- 7- 2-4 Domestic	1917	.....	.....
707	Bush Mines, Ltd.	Beverly	15	R.L. 40	Edm. Sett. Domestic	1917	.....	.....
731	Bray, Ed.	Alix	1	L.S. 16	33-38-23-4 Domestic	1918	.....	.....
736	Berkovich & Russell	Turner Valley	30	L.S. 8	2-20- 3-5 Sub-Bituminous	1918	.....	1928
864	Big Valley Power and Mining Co., Ltd.	Big Valley	20	L.S. 16	26-35-20-4 Domestic	1920	.....	.....
871	Bateman, Degust & Cherwinski	Lethbridge	20	L.S. 14	36- 8-22-4 Domestic	1920	.....	.....
937	Beyer, F.	Craigmyle	38	L.S. 5	21-30-17-4 Domestic	1921	.....	1928
957	Blair, James N.	Deburns	1	L.S. 1	11-38-24-4 Domestic	1921	.....	1926
969	Blades, James	Nevis	1	L.S. 14	10-38-22-4 Domestic	1921	.....	.....
1045	Bembridge & Meredith	Lethbridge	20	L.S. 15	2- 8-22-4 Domestic	1921	.....	.....
1060	Balogh, A.	Carbon	6	L.S. 12	7-29-22-4 Domestic	1922	.....	.....
1106	Black, William	Lucky Strike	22	L.S. 7	10- 8-11-4 Domestic	1923	.....	.....
1117	Beynon Coal Company	Beynon	14	L.S. 3	6-28-20-4 Domestic	1923	.....	1928
1157	Bryan Coal Co., Ltd.	Robb P.O.	11	L.S. 11	15-49-21-5 Sub-Bituminous	1924	.....	.....

1166	Banner Coal Co., Ltd.	Round Hill	5 L.S. 4	30-48-18-4 Domestic	1924
1167	Booth, George & Harry	Beverly	15 L.S. 1	18-53-23-4 Domestic	1924
2	Canmore Coal Co., Ltd.	Canmore	7	29-24-10-5 Bituminous	1891
3	Canadian Pacific Railway Co., Dept. Nat. Res.	Hardyville	20 L.S. 15	18-9-21-4 Domestic	1895
32	Cardiff Coal Company	Cardiff	15 L.S. 11	24-55-25-4 Domestic	1902
54	Cadillac Coal Company, Ltd.	Lethbridge	20 L.S. 5	36-8-22-4 Domestic	1905
104	Consolidated Diamond Collieries, Ltd.	Lethbridge	20 L.S. 6	6-10-21-4 Domestic	1908
170	Co-Operative Coal Company	Barnwell	41 L.S. 3	10-10-17-4 Domestic	1908
174	Coal Producers, Ltd.	Coalhurst	20 L.S. 2	21-9-22-4 Domestic	1909
192	City of Lethbridge	Lethbridge	20 L.S. 7	36-8-22-4 Domestic	1910
227	Coal Producers, Ltd.	Evansburg	31 S.E. ¼	19-29-12-4 Domestic	1910
262	Campbell & Hallaby	Sheerness	38 L.S. 2	30-53-7-5 Domestic	1912
351	Chiarello, Frank	Legal	15	25-57-25-4 Domestic	1912
360	Castella, Hans	Standard	17 L.S. 13	2-25-22-4 Domestic	1912
374	Canadian Dinant Coal Co., Ltd.	Dinant	5 L.S. 9	12-48-30-4 Domestic	1912
448	Chaswick Collieries, Ltd.	Coalbur	11 N.E. ¼	23-48-31-5 Sub-Bituminous	1916
648	Chaswick, James	Halkirk	8 L.S. 9	21-39-15-4 Domestic	1916
651	Cutland, A. J.	Grassy Lake	41 L.S. 15	22-8-18-4 Domestic	1917
698	Cadomin Coal Co., Ltd.	Cadomin	24 L.S. 4	8-47-23-5	
695	Caledonian Collieries, Ltd.	Drunheller	L.S. 14	31-46-23-5 Bituminous	1917
713	Cascade Coal Company	Lethbridge	14 L.S. 5	10-29-20-4 Domestic	1917
787	Carbonite Coal Co., Ltd.	Ardley	20 L.S. 15	36-8-22-4 Domestic	1917
802	Cartwright & Thomson	Blairmore	1 L.S. 12	21-38-23-4 Domestic	1918
820	Canadian American Coal Co., Ltd.	Coleman	12 E. ½	34-7-4-5 Bituminous	1919
833	Confederation Coal Co., Ltd.	Lovett	12 N.W. ¼	3-8-5-5 Bituminous	1919
912	Carbondale Coal, Ltd.	Ardley	11 L.S. 6	16-47-19-5 Sub-Bituminous	1919
944	Cober, John	Forestburg	1 E. ½	29-38-23-4 Domestic	1921
965	Comrey Coal Company	Comrey	8 L.S. 9	32-40-15-4 Domestic	1921
971	Colonel, Daniel	Camrose	20 L.S. 4	9-2-6-4 Domestic	1921
1002	Coal Valley Mining Co., Ltd.	Coal Valley	5 S.E. ¼	28-46-20-4 Domestic	1922
1003	Corraini, M. & V.	Maleb	11 L.S. 16	26-47-20-5 Sub-Bituminous	1922
1032	Campbell & Walton Bros.	Forestburg	41 L.S. 13	6-8-10-4 Domestic	1922
1042	Carlson, John	Heisler	8 L.S. 13	31-40-15-4 Domestic	1922
1046	Cordel, J. F.	Halkirk	8 L.S. 5	22-42-17-4 Domestic	1922
1071	Carrell & Barrell	Erskine	8 L.S. 6	20-40-15-4 Domestic	1922
1086	Cattani, Cattoni & Chemotti	Magrath	1 L.S. 10	10-38-22-4 Domestic	1923
1115	Chief Coal Co., Ltd.	Drumheller	20 L.S. 5	8-7-21-4 Domestic	1923
1169	Chief Coal Co., The	Carbon	14 L.S. 15	2-29-20-4 Domestic	1923
1226	Campbell, C. C.	Carbon	6 L.S. 5	29-33-22-4 Domestic	1924
1247	Carlson & Garner	Trochu	6 L.S. 9	29-33-22-4 Domestic	1926
1263	Cadillac Coal Co., Ltd.	Hillspring	21 L.S. 11	31-4-27-4 Domestic	1926
1265	Castella, Hans	Diamond City	20 L.S. 11	30-10-21-4 Domestic	1927
1267	Colonel, Daniel	Standard	17 L.S. 5	11-25-22-4 Domestic	1927
1269	Collins, Wm.	Edberg	8 L.S. 14	7-44-19-4 Domestic	1927
1283	Cropley, Chas.	Genesee	8 L.S. 5	32-43-18-4 Domestic	1927
70	Dixon, John O.	Longview	31 L.S. 15	29-50-3-5 Sub-Bituminous	1928
101	Dickinson & Knight	Nananao	30 L.S. 5	9-18-2-5 Sub-Bituminous	1928
179	Davies, E. T.	Lucky Strike	15 L.S. 13	8-58-34-4 Domestic	1908
273	Davis, W. J.	Halkirk	22 L.S. 2	6-8-15-4 Domestic	1908
			8 L.S. 12	18-39-15-4 Domestic	1911

## THE MINES BRANCH

LIST OF MINES—(Continued)

Mine No.	Operator	Address	District No.	Location S. Tp. R. Ge. M.	Character of Coal	Date of		
						Open- ing	Closing	Abandon- ment
340	Dobell Coal Co., Ltd.	Tofield	42 L.S. 7	35-50-19-4	Domestic	1912		
496	Donald, Alfred	Raigmore	38 L.S. 7	3-33-16-4	Domestic	1915		1928
815	Debrinski, Mrs. J. L.	Boisdale	14 L.S. 13	32-27-21-4	Domestic	1919		
924	DuRochoer, Francis	High River	30 L.S. 14	8-18-2-5	Sub-Bituminous	1921		1928
1004	DuRochoer, Francis	High River	30 L.S. 3	8-18-2-5	Sub-Bituminous	1922		
1145	Dunn Bros.	Taber	41 L.S. 1	13-10-17-4	Domestic	1924		
1210	Donalda Coal Co.	Donalda	8 L.S. 6	22-1-18-4	Domestic	1925		
1256	Dixon, John O.	Longview	30 L.S. 13	20-18-12-5	Sub-Bituminous	1927		
1260	Dunbar, Robert	Hinton Trail	18 L.S. 7	21-10-10-5	Domestic	1927		
1270	Dawson, Jas. G.	Lochvale	.... L.S. 6	23-12-6-5	Domestic	1927		
215	Eastern Alberta Coal Mines, Ltd.	Dodds	42 L.S. 7	14-49-18-4	Domestic	1909		
384	Ellis Coal Co., Ltd., The	Three Hills	6 L.S. 3	36-31-24-4	Domestic	1913		
615	Enders & Sank	Heiser	8 L.S. 1	28-42-17-4	Domestic	1915		
708	Excelsior Collieries, Ltd.	Wayne	14 L.S. 3	7-28-19-4	Domestic	1917		
819	Elgin Coal Co., Ltd.	Drumheller	14 L.S. 14	2-29-20-4	Domestic	1919		
910	Ellis, James	Champion	9 L.S. 3	4-16-23-4	Domestic	1921		
1098	Eccleston, William	Namoo	15 L.S. 3	31-54-24-4	Domestic	1923		
1184	Engstrom, N. F.	Rose Lynn	38 L.S. 5	35-28-13-4	Domestic	1924		
1243	Eastwood, Sam	Donalda	8 L.S. 13	8-42-18-4	Domestic	1926	21-1-28	
1254	Estby, Eli	Lousana	2 L.S. 9	12-36-22-4	Domestic	1927		
24	Falvo, Dominic	Strathcona	15 L.S. 12	20-51-25-4	Domestic	1927		
90	Fraser-Mackay Collieries, Ltd.	Clover Bar	15 L.S. 12	8-53-23-4	Domestic	1904		
151	Farrell, Charles	Reid Hill	9 L.S. 15	24-16-23-4	Domestic	1907		
354	Foye & Watson	Delia	38 L.S. 9	21-30-17-4	Domestic	1912		
361	Fish Creek Coal Co.	Priddis	30 N.W. ¼	7-22-3-5	Sub-Bituminous	1912	1-5-27	
749	Fox Coal Co.	Carbon	6 L.S. 15	11-29-23-4	Domestic	1918		
758	Fraser, Fraser & McGaw	Carmangay	9 L.S. 14	25-14-22-4	Domestic	1918		
771	Foothills Collieries, Ltd., The	Foothills	11 L.S. 10	24-47-20-5	Sub-Bituminous	1918		
945	Finkhner, H.	Castor	8 L.S. 8	35-37-14-4	Domestic	1921		
1022	Friedel & Partners	Strathcona	15 L.S. 12	25-51-25-4	Domestic	1922		
1142	Fee, S. J.	Priddis	30 L.S. 11	27-22-4-5	Sub-Bituminous	1924	4-3-28	
1242	Frost, Raymond	Castor	8 L.S. 2	2-38-14-4	Domestic	1926		1928
1250	Fanning, Clarence	Duhamel	8 L.S. 15	11-46-26-4	Domestic	1926		1928
1277	Fidel, W.	Edmonton	15 L.S. 14	13-52-25-4	Domestic	1928		
1284	Fife, Bynes, Wilson & Peters	Drumheller	14 L.S. 3	6-28-18-4	Domestic	1928		
399	Great West Coal Co., Ltd.	Clover Bar	15 S.E. ¼	7-53-23-4	Domestic	1903		
436	Great West Coal Co., Ltd.	Clover Bar	14 L.S. 7	28-28-19-4	Domestic	1914		
477	Goddie & Ross	Aerial	38 L.S. 3	28-30-17-4	Domestic	1915		
760	Gotheridge, W. T.	Round Hill	5 L.S. 10	30-48-18-4	Domestic	1918		

1091	Gibb, W. E.	Strathcona	15 L.S. 9	26-51-25-4 Domestic	1923
1097	Gibson, Geo. S., Jr.	Grassy Lake	41 L.S. 8	26-9-13-4 Domestic	1923
1138	Geddes & Snyder	Little Plume	29 L.S. 15	2-9-5-4 Domestic	1924
1211	Goodwin & Edmonson	Rainbow	14 L.S. 15	23-28-18-4 Domestic	1925
1237	Gordon, D. L.	Halkirk	8 L.S. 11	8-39-15-4 Domestic	1926
1271	Gray, Armour	Gadsby	8 L.S. 10	28-39-16-4 Domestic	1927
40	Hillcrest Collieries, Ltd.	Hillcrest	13 N.E. $\frac{1}{4}$	18-7-3-5 Bituminous	1905
224	Hetherington, Fred	Reid Hill	22 L.S. 2	32-16-21-4 Domestic	1910
279	Holliger, Eugene	Milk River	38 L.S. 3	1-3-16-4 Domestic	1911
375	Hobson, George	Scapa	38 L.S. 7	1-34-14-4 Domestic	1912
423	Habert, David	Trochu	6 L.S. 15	22-33-23-4 Domestic	1914
427	Hronek, Ben	Halkirk	8 L.S. 7	18-39-15-4 Domestic	1914
444	Hanson, Andrew	Three Hills	6 L.S. 7	14-31-24-4 Domestic	1914
448	Harrison Bros.	Row Island	41 L.S. 8	36-11-11-4 Domestic	1915
491	Hamilton & Forsyth	Ranna	38 L.S. 16	12-28-14-4 Domestic	1915
694	Hodgson, Joseph	Rowley	6 L.S. 13	12-32-21-4 Domestic	1917
712	Hart & Donaldson	Faber	41 L.S. 8	4-10-17-4 Domestic	1917
776	Hy-Grade Coal Co. of Drumheller, Ltd.	Drumheller	14 L.S. 4	11-29-20-4 Domestic	1918
782	Hi-Heat Coal Company	Beynon	14 L.S. 14	31-27-20-4 Domestic	1918
912	Hronek, Ben	Halkirk	8 L.S. 1	7-39-15-4 Domestic	1921
948	Hanson, C. H.	Rosalind	8 L.S. 6	8-43-17-4 Domestic	1921
1099	Hutton & Gosney	Leduc	15 L.S. 12	6-51-23-4 Domestic	1923
1118	Hugel, A.	Halcourt	18 S.W. $\frac{1}{4}$	25-70-11-6 Domestic	1923
1176	Hugel, A.	Grande Prairie	18 L.S. 8	21-70-7-6 Domestic	1924
1227	Heisler Coal Co.	Heisler	8 L.S. 9	15-42-17-4 Domestic	1926
1229	Hall, Mrs. F. C.	Bon Accord	15 L.S. 9	3-56-24-4 Domestic	1926
1275	Hillcrest Collieries, Ltd.	Byron Creek	13 N.E. $\frac{1}{4}$	9-7-3-5 Bituminous	1927
1282	Hotchkiss, N. E.	Telfordville	L.S. 11	13-49-3-5 Domestic	1928
1283	Halbert & Schlender	Trochu	6 L.S. 8	14-33-23-4 Domestic	1928
82	International Coal & Coke Co., Ltd.	Coleman	12 L.S. 11	8-8-4-5 Bituminous	1903
844	Ideal Coal Co., Ltd.	Wayne	14 L.S. 16	1-28-20-4 Domestic	1920
447	James Bros.	Forestburg	8 L.S. 13	28-40-15-4 Domestic	1914
643	Jewel Collieries, Ltd.	Wayne	14 L.S. 6	7-28-19-4 Domestic	1916
1018	Johnson, Alexander	Arley	1 S.W. $\frac{1}{4}$	17-38-23-4 Domestic	1922
1064	James & Thomas	Forestburg	8 L.S. 1	32-40-15-4 Domestic	1922
1100	Johnson, C. A.	Mayerthorpe	46 L.S. 10	22-57-9-5 Domestic	1923
69	Keith & Fulton	Clover Bar	15 L.S. 16	7-53-23-4 Domestic	1902
226	Kleenbirm Collieries, Ltd.	Eyremore	3 L.S. 13	10-17-17-4 Domestic	1913
381	Kale, Philip	Eyremore	3 L.S. 13	6-3-11-4 Domestic	1913
840	Kleenbirm Collieries, Ltd.	Lucky Strike	3 L.S. 4	15-17-17-4 Domestic	1919
1135	Krupp, Theo	Eyremore	1 L.S. 4	7-38-23-4 Domestic	1924
1282	Kelsey Coal Company	Delburne	9 L.S. 8	5-44-18-4 Domestic	1925
1283	Keen, Herman	Kelsey	15 L.S. 6	36-50-28-4 Domestic	1926
828	Lebianc, Emile M.	Leduc	41 L.S. 11	8-10-16-4 Domestic	1907
419	Lakeside Coals, Ltd.	Wabamun	31 L.S. 15	9-58-8-5 Domestic	1913
464	Leech & Milne	Drumheller	14 L.S. 13	14-29-20-4 Domestic	1915
601	Law, George	Round Hill	5 L.S. 9	10-48-18-4 Domestic	1918
775	Lakeside Coals, Ltd.	Robb P.O.	11 L.S. 3	14-49-21-5 Sub-Bituminous	1918
906	Luscar Collieries, Ltd.	Luscar	24	23-47-24-5 Bituminous	1921
1109	Lund, Nelson & Hagblad	Lethbridge	20 L.S. 8	31-9-21-4 Domestic	1923

LIST OF MINES—(Continued)

Mine No.	Operator	Address	District No.	Location S.T.p.Rge.M.	Character of Coal	Date of		
						Open- ing	Closing	Abandon- ment Re-open- ing
1140	Lavenne, Jules	Winnifred	41 L.S. 5	22-12-10-4	Domestic	1924	1-3-28	.....
1176	Long Flame Coal Co., The	Lundbreck	32 S.W. ¼	28-7-2-5	Sub-Bituminous	1924	.....	.....
1216	Langiet, Lawrence	Forestburg	8 L.S. 10	28-40-15-4	Domestic	1925	1-8-28	.....
1248	Loney & Company	Donalda	8 L.S. 2	29-41-17-4	Domestic	1926	.....	1928
108	Majestic Mines, Ltd.	Taber	41 L.S. 7	31-9-16-4	Domestic	1905	.....	.....
133	Mohawk Bituminous Mines, Ltd.	Bellevue	13 S.E. ¼	21-7-3-5	Bituminous	1907	.....	.....
184	Mohr, Julien E.	Three Hills	6 N.E. ¼	4-31-22-4	Domestic	1909	.....	.....
282	Mountain Park Collieries, Ltd.	Mountain Park	24	33-45-23-5	Bituminous	1911	.....	.....
299	Medloski, D.	Rosebud	17 L.S. 13	20-26-21-4	Domestic	1911	.....	.....
367	Midland Coal Mining Co., Ltd.	Midlandvale	14 L.S. 10	9-29-20-4	Domestic	1912	.....	.....
395	Molloy, Andrew	Picture Butte	20 L.S. 14	27-10-21-4	Domestic	1913	.....	.....
675	Murray Collieries, Ltd.	Drumheller	14 L.S. 12	28-27-18-4	Domestic	1916	.....	.....
699	Marcus Coals, Ltd.	Clover Bar	15 L.S. 15	8-53-23-4	Domestic	1917	.....	.....
715	Mosley, Jack	Pincher Creek	32 S.W. ¼	16-5-1-5	Sub-Bituminous	1917	.....	1928
728	Maple Leaf Minerals, Ltd.	Drumheller	14 S.E. Cor.	5-28-18-4	Domestic	1918	1-6-28	.....
763	Monogram Coal Co., Ltd.	Rosedale	14 L.S. 1	15-28-19-4	Domestic	1918	.....	.....
793	Meek, F. G.	Rosedale	8 L.S. 7	3-43-17-4	Domestic	1921	5-4-28	4-8-28
813	Murray, E. J.	Rosedale	14 L.S. 13	11-28-19-4	Domestic	1919	.....	.....
911	Meek, F. G.	Heisler	8 L.S. 1	33-29-17-4	Domestic	1921	.....	.....
956	Muncy Bros.	Foreman	8 L.S. 2	35-40-16-4	Domestic	1921	.....	.....
1010	Miller, Henry	Taber	41 L.S. 15	38-10-17-4	Domestic	1922	.....	.....
1014	Melrose Coal Co., Ltd.	Reco Siding	11 L.S. 2	3-47-19-5	Sub-Bituminous	1922	.....	.....
1132	Monyasset, F. L.	Maycroft	32 S.W.	32-10-2-5	Sub-Bituminous	1923	22-2-28	1-8-28
1138	Marlow, R. E.	Lundbreck	32 L.S. 8	1-8-2-5	Sub-Bituminous	1924	.....	.....
1146	Murray & Kirkberg	Drumheller	14 L.S. 11	22-29-20-4	Domestic	1924	.....	.....
1179	Murray, Peter	Lousana	2 L.S. 12	12-36-22-4	Domestic	1924	31-3-28	.....
1200	Miller & Varley	Leduc	15 L.S. 12	7-36-21-4	Domestic	1925	15-3-28	.....
1217	Martin & Ponton	Forestburg	8 L.S. 5	20-48-25-4	Domestic	1925	8-12-28	.....
1223	Murray, Peter	Lousana	2 L.S. 1	33-40-15-4	Domestic	1925	.....	.....
1251	Marlow, R. E.	Lundbreck	32 L.S. 15	24-7-2-5	Sub-Bituminous	1926	1927	.....
1272	Morris, E.	Waterton Park	21	25-2-30-4	Domestic	1927	.....	.....
1289	Murray, J. N.	Drumheller	14 L.S. 6	28-27-18-4	Domestic	1928	.....	1928
199	McDowall Bros.	Beaver Mines	13 N.E. ¼	3-6-2-5	Bituminous	1909	.....	.....
204	McGillivray Creek Coal and Coke Co., Ltd.	Coleman	12 S.E. ¼	17-8-4-5	Bituminous	1909	.....	.....
241	McLennan, John A.	Dinant	5 L.S. 4	18-48-19-4	Domestic	1910	.....	.....
846	McLeod River Collieries, Ltd.	Mercoal	11 L.S. 5	25-48-22-5	Sub-Bituminous	1920	.....	1928
921	McKinley, Thomas	Trochu	6 L.S. 15	14-33-23-4	Domestic	1921	.....	.....
951	McDermand, C. C.	Alix	1 L.S. 3	29-38-23-4	Domestic	1921	.....	1928

1019	McKinley, James	Huxley	2 L.S. 4	10-32-22-4 Domestic	1922	1928
1107	McKenzie Coal Co., Ltd., The	Dodds	42 N.E. ¼	11-49-18-4 Domestic	1923	22-10-28
1189	McKinley, James	Huxley	2 L.S. 13	3-34-22-4 Domestic	1924	1928
1241	McVeigh & Campbell	Reco	11 S.W. ¼	17-47-19-5 Sub-Bituminous	1926	1928
1249	McDonald, Thos.	Bassano	17 L.S. 7	26-20-19-4 Domestic	1926	1928
1266	McDonnell & Gwilliam	Namoo	15 N.W. ¼	36-54-25-4 Domestic	1927	25-1-28
1274	McDonald, D. and D.	Bright Bank	31 L.S. 3	18-51-2-5 Domestic	1927	25-1-28
317	Newcastle Coal Co., Ltd.	Drumheller	14 S.E. ¼	9-29-20-4 Domestic	1911	
816	Newcastle Jun. Mining Co., Ltd.	Drumheller	14 L.S. 9	3-29-20-4 Domestic	1919	
986	Ness, Paul	Erskine	1 L.S. 7	10-38-22-4 Domestic	1922	
1034	Nimko, Kost & N. Seneyko	Strathcona	15 L.S. 11	25-51-25-4 Domestic	1922	
1049	Ness, Mrs. Ethel	Erskine	1 L.S. 8	34-37-22-4 Domestic	1922	
1231	New Kirkeby Mine, The	Craigville	38 L.S. 3-6	3-33-16-4 Domestic	1926	
1280	Noble, Henry	Cardston	21 L.S. 7	13-2-27-4 Domestic	1928	
1286	Noble, Henry	Cardston	21 L.S. 3	7-2-26-4 Domestic	1928	
91	Ottewell Coal Company	Clover Bar	15 S.W. ¼	17-53-23-4 Domestic	1904	
187	Oulphant, J. H.	Carbon	6 L.S. 5	15-29-23-4 Domestic	1909	
454	Ostby, Chas.	Warner	22 L.S. 12	9-4-16-4 Domestic	1914	1928
613	Or & Company	Donalda	8 L.S. 7	30-41-17-4 Domestic	1915	1920
669	Oliver, Edward	Taber	41 L.S. 3	10-10-17-4 Domestic	1916	
750	Oporovich, J.	Picture Butte	20 L.S. 14	27-10-21-4 Domestic	1918	
772	Oulphant, John	Medicine Hat	34 L.S. 2	5-13-6-4 Domestic	1918	
974	Ontario Collieries, Ltd.	Wayne	17 L.S. 9	10-38-19-4 Domestic	1922	1928
1107	Old Hammer Coal Co.	Magrath	15 S.W. ¼	24-56-25-4 Domestic	1925	
115	Pasoli, Bonetti & Federzoli	Cardiff	20 L.S. 2	13-7-21-4 Domestic	1902	16-2-28
117	Peerless Carbon	Edmonton	16 L.S. 13	12-29-23-4 Domestic	1906	
217	Penn Mines, Ltd.	Carbon	13 R.L. 18	Edm. Sett. Domestic	1907	
259	Pinfold & Gray	Gadsby	8 L.S. 10	23-33-16-4 Domestic	1911	
319	Peters & Davidson	Trochu	6 S.E. ¼	14-38-23-4 Domestic	1911	
377	Porter Bros.	Grassy Lake	41 L.S. 4	25-9-13-4 Domestic	1913	
632	Penn Mine Coal Co., Ltd.	Edmonton	15 R.L. 20	Edm. Sett. Domestic	1916	
650	Pontarollo, J.	Beazer	21 L.S. 16	6-2-26-4 Domestic	1916	
809	Pearl Coal Co.	Alix	1 L.S. 6	33-38-23-4 Domestic	1919	
811	Pallsade Coal Mining Co., Ltd.	Three Hills	6 L.S. 10	36-31-24-4 Domestic	1919	
849	Pettit, J. L.	Halcourt	18 L.S. 3	21-70-10-6 Domestic	1920	1-7-28
869	Premier Coal Co., Ltd.	Edmonton	15 R.L. 26	Edm. Sett. Domestic	1920	
949	Paton, George	Delburne	1 L.S. 7	27-37-22-4 Domestic	1921	
1034	Philp, Andrew	Maverthorpe	46 L.S. 1	14-56-9-5 Domestic	1923	1-2-28
1086	Patton, J. L.	Lundbreck	32 L.S. 15	26-7-2-5 Sub-Bituminous	1923	
1278	Pickering, Ben	Reynon	14 L.S. 11	33-15-23-4 Domestic	1927	
1281	Pohlka, Bulat & Sapelak	Champion	9 L.S. 14	31-27-20-4 Domestic	1928	
1285	Rozzolini, Albert	Strathcona	15 L.S. 12	25-51-25-4 Domestic	1928	
56	Rhodes, Ernest	Magrath	20 L.S. 3	7-7-21-4 Domestic	1902	
59	Rhodes, Wm. B. and Philip	Lundbreck	32 L.S. 15	26-7-2-5 Sub-Bituminous	1907	
136	Rhodes, Ernest	Champion	9 L.S. 7	8-15-22-4 Domestic	1907	
153	Rhodes & Gilbert Mining Co.	Burnis	13 N.E. ¼	14-7-3-5 Bituminous	1907	1928
165	Redcliff Brick & Coal Co., Ltd.	Redcliff	34 L.S. 14	5-13-6-4 Domestic	1908	
332	Redcliff Premier Brick Co., Ltd.	Redcliff	34 N.W. ¼	9-13-6-4 Shale	1912	
346	Rosedale Coal Co., Ltd.	Rosedale	14 L.S. 14	23-28-19-4 Domestic	1912	
347	Rose Deer Coal Mining Co., Ltd.	Wayne	14 L.S. 13	7-28-19-4 Domestic	1912	

LIST OF MINES—(Continued)

Mine No.	Operator	Address	District No.	Location S.Tp.Rge.M.	Character of Coal	Date of		
						Open- ing	Closing	Abandon- ment
379	Redcliff Pressed Brick Co., Ltd.	Redcliff	34 L.S. 5	9-13-6-4 Shale		1913		
652	Russell, Thomas	Eagle Prairie	18 L.S. 15	38-8-7-6 Domestic		1916	1-11-28	
718	Rataushk, Fred	Eagle Butte	29 L.S. 15	28-8-4-4 Domestic		1917		5-10-28
732	Rollingson, George	Lethbridge	20 L.S. 2	11-8-22-4 Domestic		1918		
908	Remillard, J. B.	Castor	8 L.S. 16	33-37-14-3 Domestic		1921		
968	Robinson, W.	Forestburg	20 L.S. 8	32-40-15-1 Domestic		1921		
981	Rollingson, John	Magrath	20 L.S. 13	8-7-21-4 Domestic		1922		1928
1020	Rollingson, John	Magrath	20 L.S. 4	7-7-21-4 Domestic		1922	1-6-27	
1095	Royal Lethbridge Collieries	Lethbridge	20 L.S. 9	30-9-21-4 Domestic		1923		1-2-28
1203	Rodway, A. G.	Halkirk	8 L.S. 5	8-39-15-4 Domestic		1925		
1206	Ryley Coal Company	Ryley	42 S.E. ¼	8-49-17-4 Domestic		1925		
76	Simister, Chas.	Lundbreck	32 L.S. 11	28-7-2-5 Sub-Bituminous		1906	1-12-28	4-7-28
129	Sun Coal Co., Ltd.	Cardiff	15 L.S. 16	23-55-25-4 Domestic		1907		
244	Stoney Creek Collieries, Ltd.	Camrose	5 L.S. 1	33-46-20-4 Domestic		1910		
328	Shaw, J. H.	Huxley	2 S.W. ¼	13-34-22-4 Domestic		1911		
389	Smith, Frank	Namoo	15 L.S. 16	8-55-24-4 Domestic		1913		
397	Sparrow & Kelly	Namoo	15 L.S. 16	8-55-24-4 Domestic		1913	15-2-28	
428	Sturgeon Valley Collieries, Ltd.	Namoo	15 L.S. 15	8-55-24-4 Domestic		1914		
602	Schneider, Karl	Wisdom	15 L.S. 15	8-55-24-4 Domestic		1915		
610	Strileczyk, Leon	Round Hill	29 L.S. 11	2-9-5-4 Domestic		1915		
640	Sovereign Coal Mining Co., Ltd.	Wayne	5 L.S. 8	10-48-18-4 Domestic		1915		
666	Simmons, E. W.	Forestburg	14 L.S. 1	7-28-19-4 Domestic		1916		
690	Sward, Henry	Rowley	8 L.S. 4	2-41-16-4 Domestic		1917		
737	Superior Grade Coal Co., Ltd.	Wayne	14 L.S. 2	13-32-21-4 Domestic		1917		
761	Southern Alberta Coal Co., Ltd.	Wayne	20 L.S. 4	19-28-19-4 Domestic		1918		
769	Sterling Collieries, Ltd.	Lethbridge	20 L.S. 4	36-8-22-4 Domestic		1918		
824	Sunbeam Coal Co., Ltd.	Sterco	11 L.S. 12	35-47-20-5 Sub-Bituminous		1918		
906	Stahl & Wurz	Arley	1 N.E. ¼	20-38-23-4 Domestic		1919	31-1-28	
940	Shaw, J. E.	Rockford	6 L.S. 14	23-27-23-4 Domestic		1921		
940	Shaw, J. E.	Castor	8 L.S. 10	24-37-14-4 Domestic		1921		1922 24-10-28
1061	Skeen, Ernest	Nanton	30 S.E. ¼	33-14-4-5 Sub-Bituminous		1922		1928
1062	Strader, Charles	Halkirk	8 L.S. 4	17-35-15-4 Domestic		1922		
1065	Spokane & Alta. Coal & Coke Co.	Crow's Nest, B.C.	12 S.W. ¼	26-7-6-5 Bituminous		1922		
1094	Slater, Frank	Morrin	6 L.S. 1	28-31-21-4 Domestic		1923	31-1-27	26-12-28
1102	Strom, Nels	Meeting Creek	8 L.S. 3	13-48-20-4 Domestic		1923		
1187	Schaefer, J. C.	Haicourt	18 L.S. 1	21-70-10-6 Domestic		1924		
1187	Smith, L. J.	Champion	9 L.S. 2	4-16-23-4 Domestic		1924		
1186	Spencer, Theodore	Etzikom	41 L.S. 12	10-7-9-4 Domestic		1925		
1233	Snoski, Mike	Strathcona	15 L.S. 5	26-51-25-4 Domestic		1926		1928
1238	Stanthorpe, J. A.	Taber	41 L.S. 13	7-10-16-4 Domestic		1926		

















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